



# **COURSE CATALOG**

## **2022-2023**

**Churchill Junior High School | East Brunswick High School**

**East Brunswick Public Schools**



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# Introduction to Arts Education Courses

## Visual and Performing Arts

Students are required to take a total of 15 credits in the Fine, Performing, and Practical Arts in grades 9 – 12. Five credits must be taken in the Fine Arts (visual, performing, or humanities) and five credits must be taken in the Practical Arts. The additional five credits can be taken in either of the above areas.

### East Brunswick Graduation Requirements

- 5 credits in the Fine Arts and 5 credits in the Practical Arts (5 + 5 = 10)
- 5 additional credits needed in either the Practical Arts or the Fine Arts
- A total of 15 credits in grades 9 – 12
- 2.5 credits of Financial Literacy

Areas that meet the Fine Arts requirement are all courses in:

- Art (Visual Arts)
- Humanities
- Music
- Theater

Please click on the Performing Arts and Visual Arts Course Catalog links at the end of this page to view each course in detail. 2000 numbered sequences are taught at Churchill Junior High School. 1000 numbered sequences are taught at East Brunswick High School.

## Performing Arts Courses

Due to the diversity of our student body, our performing arts courses are designed to cater to the needs of individuals with a great variety of talent, training, interest and attitude. There is something for everyone, no matter how elementary or advanced they may be. For more specific information, consultations with faculty members are recommended. In addition to the courses listed here, students who enroll in high school music courses may qualify to receive credit for private music lessons. For further information, contact the Supervisor of Arts Education.

### Churchill Junior High School Courses

#### Theatre Arts Courses

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##### **2524 - World of Theatre**

Grade 7 | Credits: 2.5

Developing speaking skills, personal presentation skills, self-confidence and strategies for memorization are the results of such a course. Emphasis will be placed on development and increased understanding of performance skill. Students will utilize acting techniques and terminology, solo and group performances, improvisational exercises, monologue study and critique to enhance personal performance.

##### **2515 - Theater Arts and Communication**

Grades 8-9 | Credits: 2.5

Whether you are on your way to Broadway or the board room of a corporation, everyone needs practice in communicating who they are and what they want in a way that is inspiring and engaging. This class will help students improve in the art of public speaking, dealing with "on your feet" problem solving, thinking creatively, and getting rid of stage fright, giving students the collaborative life skills needed in today's workforce. Class activities include, but are not limited to writing scenes and performing them, designing sets and costumes, and practicing improvisation and other practical theatrical skills.

##### **2273 - Filmmaking**

Grades 8-9 | Credits: 2.5

This course offers a more advanced theater experience that builds upon the skills learned in Theater Arts and Communication. We live in a digital age and students today are in tune with popular videos on YouTube, Netflix, Amazon, etc. They are already thinking like filmmakers. This semester course will give students further hands-on experience working with professional video equipment and



creating films utilizing some of the same processes as Hollywood filmmakers. Students will practice storyboarding, directing, acting, lighting, screenwriting and cinematography. Each student will work in a film team to design and create a public service announcement, a silent film, a thriller and a comedy movie.

## Music Theory Courses

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### **2514 - The World of Digital Music**

Grades 8-9 | Credits: 2.5

This course is open to musically trained students and beginners alike. Students explore basic elements of music: rhythm, melody, form, style, etc. through the use of the school's MIDI. (Musical Instrument Digital Interface) Lab. A wide variety of musical styles are examined including classical, jazz, popular, folk, and musical theater. Course expectations include participation in music performance, composition, and arranging. Assignments of music listening and critique are also components of this course.

## Music Performance and Ensembles Courses

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### **2547 - Beginning Piano Grade 7**

Grade 7 | Credits: 2.5

This course introduces the fundamentals of playing any keyboard instrument. A music technology lab equipped with MIDI keyboards, computers and headsets will be used to learn to read and play music in the treble and bass clef using two hands. It is recommended that students have access to an instrument at home or outside of school. This course is intended for students that have no prior piano experience.

### **2543 - Beginning Piano Grades 8-9**

Grades 8-9 | Credits: 2.5

This course introduces the fundamentals of playing any keyboard instrument. A music technology lab equipped with MIDI keyboards, computers and headsets will be used to learn to read and play music in the treble and bass clef using two hands. It is recommended that students have access to an instrument at home or outside of school. This course is intended for students that have no prior piano experience.

### **2544 - Piano Lab**

Grades 8-9 | Credits: 2.5 | Prerequisite: Audition or Beginning Piano @ CJHS or EBHS "OR" Piano Lab @ CJHS

This course will provide an opportunity for students who have completed Beginning Piano to continue their development as keyboard musicians. In addition, by allowing course admission by audition, this course can provide an appropriate placement for students who have acquired some level of piano proficiency through private lessons. It is recommended that students have access to an instrument at home or outside of school for independent practice.

### **2502 - Chorus Grade 7 (Semester Option)**

Grades 7 | Credits: 2.5 | Semester option for students with schedule conflicts on a limited availability basis

Chorus at the Junior High School is a full-year elective that develops the interest of the student who enjoys singing using a widely varied repertoire of grade appropriate music. Pieces may include classical selections, festival literature, folk arrangements, popular music, musical theatre songs, spirituals and selections from world choral music. Students learn basic choral technique: breathing, intonation, score reading, articulation, and diction. Basic concepts of theory, sight-singing with solfege, and ear-training are further developed. The Churchill Chorus prepares and performs one concert each semester. Small ensembles, duets, and solos may be performed in the rehearsal setting to add to the performing experience. Attendance at all rehearsals and formal concerts is required. A semester option exists only for students with schedule conflicts on a limited availability basis.

### **2501- Chorus Grade 7**

Grade 7 | Credits: 5

Chorus at the Junior High School is a full-year elective that develops the interest of the student who enjoys singing using a widely varied repertoire of grade appropriate music. Pieces may include classical selections, festival literature, folk arrangements, popular music, musical theatre songs, spirituals and selections from world choral music. Students learn basic choral technique: breathing, intonation, score reading, articulation, and diction. Basic concepts of theory, sight-singing with solfege, and ear-training are further developed. The Churchill Chorus prepares and performs one concert each semester. Small ensembles, duets, and solos may be performed in the rehearsal setting to add to the performing experience. Attendance at all rehearsals and formal concerts is required.

### **2512 - Chorus Grades 8-9 (Semester Option)**

Grades 8-9 | Credits: 2.5 | Semester option for students with schedule conflicts on a limited availability basis

Chorus at the Junior High School is a full-year elective that develops the interest of the student who

enjoys singing using a widely varied repertoire of grade appropriate music. Pieces may include classical selections, festival literature, folk arrangements, popular music, musical theater songs, spirituals and selections from world choral music. Students learn basic choral technique: breathing, intonation, score reading, articulation, and diction. Basic concepts of theory, sight-singing with solfege, and ear-training are further developed. The Churchill Chorus prepares and performs one concert each semester. Small ensembles, duets, and solos may be performed in the rehearsal setting to add to the performing experience. Attendance at all rehearsals and formal concerts is required. A semester option exists only for students with schedule conflicts on a limited availability basis.

### **2513 - Chorus Grades 8-9**

Grades 8-9 | Credits: 5

Chorus at the Junior High School is a full-year elective that develops the interest of the student who enjoys singing using a widely varied repertoire of grade appropriate music. Pieces may include classical selections, festival literature, folk arrangements, popular music, musical theater songs, spirituals and selections from world choral music. Students learn basic choral technique: breathing, intonation, score reading, articulation, and diction. Basic concepts of theory, sight-singing with solfege, and ear-training are further developed. The Churchill Chorus prepares and performs one concert each semester. Small ensembles, duets, and solos may be performed in the rehearsal setting to add to the performing experience. Attendance at all rehearsals and formal concerts is required.

### **2510 - Concert Band Grades 7-8 Brass/Woodwind**

Grades 7-8 | Credits: 5

This section is designed for students with prior experience playing a brass or woodwind instrument. These courses are similar to previous band classes, with more in-depth study included and more advanced literature performed. Group lessons are part of the course requirement and are offered on a rotating schedule. Daily home practice is required to complete assigned scales, etudes, technical studies, and performance literature successfully. Band students must attend extra after school and evening rehearsals and public performances. Qualified students are encouraged to audition for Region Band. There is a prerequisite of prior participation in the band program or a minimum six months of study with a private teacher (documentation required). New students must complete an informal audition with the director to determine eligibility before enrolling. Instruments that students are encouraged to begin are oboe, bassoon, french horn, trombone, baritone horn, or tuba. Churchill students who wish to participate in the high school marching band must maintain enrollment in this course or the Wind Ensemble.

### **2509 - Freshman Band Brass/Woodwind**

Grades 9 | Credits: 5

This section is designed for students with prior experience playing a brass or woodwind instrument. These courses are similar to previous band classes, with more in-depth study included and more advanced literature performed. Group lessons are part of the course requirement and are offered on

a rotating schedule. Daily home practice is required to complete assigned scales, etudes, technical studies, and performance literature successfully. Band students must attend extra after school and evening rehearsals and public performances. Qualified students are encouraged to audition for Region Band. There is a prerequisite of prior participation in the band program or a minimum six months of study with a private teacher (documentation required). New students must complete an informal audition with the director to determine eligibility before enrolling. Instruments that students are encouraged to begin are oboe, bassoon, french horn, trombone, baritone horn, or tuba. Churchill students who wish to participate in the high school marching band must maintain enrollment in this course or the Wind Ensemble.

### **2517 - Concert Band Grades 7-9 Percussion**

Grades 7-8-9 | Credits: 5

Concert Band (Percussion) is open to any student playing a percussion instrument. Students study and perform standard literature written or transcribed for concert band and percussion ensemble. Students are required to attend all after-school and evening rehearsals and all scheduled performances. Churchill students who wish to participate in the high school marching band must maintain enrollment in this course or the Wind Ensemble.

### **2508 - Honors Wind Ensemble**

Grade 7-8-9 | Credits: 5

Wind Ensemble is an honors-level course open to a limited number of wind players and percussionists through an audition process. Audition requirements may be obtained from the Music Department. Students study and perform music of greater difficulty written for wind band. Students are expected to attend group lessons, which are offered on a rotating schedule throughout the school day. Through group lessons and private practice, students increase their technical proficiency on their instruments. Students are required to attend all after-school and evening rehearsals and all scheduled performances. Students are highly encouraged to audition for Region Band. Due to the definition of a Wind Ensemble, placement is limited and based upon the need for a balance of instrumentation. Churchill students who wish to participate in the high school marching band must maintain enrollment in this course or the Concert Band.

### **2511 - Orchestra Grades 7-8**

Grades 7-8 | Credits: 5

This course is similar to the sixth grade orchestra, except more in depth study is included and more advanced orchestral literature is performed. Students learn orchestral bowings, applications and technique. Qualified eighth graders are encouraged to audition for the CJMEA Intermediate Region Orchestra. Group lessons are part of the course requirement and are offered on a rotating schedule. Daily home practice is required and is monitored by the instructor via the assigning of etudes and technical studies. Orchestra students must attend extra after school rehearsals, group lessons and public performances. There is a prerequisite of prior participation in the orchestra program or a

minimum of six months to a year of private study (documentation required). New students will complete an informal audition with the director to determine eligibility before enrolling. Instruments that students are encouraged to begin are cello, viola, and string bass.

### **2503 - Freshman Orchestra**

Grade 9 | Credits: 5

This course is similar to the grades 7/8 orchestra, except more in depth study is included and more advanced orchestral literature is performed. Students learn orchestral bowings, applications and technique. Qualified ninth graders are eligible to audition for the CJMEA Senior Region Orchestra. Group lessons are part of the course requirement and are offered on a rotating schedule. Daily home practice is required and is monitored by the instructor via the assigning of etudes and technical studies. Orchestra students must attend extra after school rehearsals, group lessons and public performances. There is a prerequisite of prior participation in the orchestra program or a minimum of six months to a year of private study (documentation required). New students will complete an informal audition with the director to determine eligibility before enrolling. Instruments that students are encouraged to begin are cello, viola, and string bass.

### **2521 - Honors Select Orchestra**

Grades 7-8-9 | Credits: 5 | Prerequisite: Successful completion of an audition

Select Orchestra is a full year honors level course open to a limited number of 8th & 9th grade string players (violin, viola, cello and bass) accepted through an audition process. Audition requirements may be obtained through the Music Department. Students are expected to attend group lessons, which are offered on a rotating schedule throughout the school day. Through group lessons and private practice, students will increase their technical proficiency on their instrument. Students are required to attend all after-school and evening rehearsals and all scheduled performances. Students are encouraged to audition for Intermediate or HS Region and Intermediate or HS All-State Orchestra. Students not able to audition must complete an alternative performance experience of comparable difficulty. Instrumentation is limited and based upon the need for balance between violins, violas, cellos and basses.

### **2522 - Honors Advanced Orchestra**

Grades 7-8-9 | Credits: 5 | Prerequisite: Successful completion of an audition

Advanced Orchestra is an honors-level course open to a limited number of string players through an audition process. Audition requirements may be obtained from the Music Department. Students study and perform music of greater difficulty written for string orchestra. Students are expected to attend group lessons, which are offered on a rotating schedule throughout the school day. Through group lessons and private practice, students increase their technical proficiency on their instruments. Students are required to attend all after-school and evening rehearsals and all scheduled performances. Students are expected to audition for Region Orchestra. Students not able to audition

must complete an alternative performance experience. Due to the definition of the Advanced Orchestra, instrumentation is limited and based upon the need for a balance between violins, violas, celli, and basses.

## East Brunswick High School Courses

### Theatre Arts Courses

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#### **1255 - Acting Studio**

Grades 10-12 | Credits: 2.5

Acting Studio provides students with a rich scope of theater experiences. Students will experience various aspects of theater production: acting, scene study, and character examination. Students must be willing to perform monologues, scenes, and improvisations in front of the class. A fun way to explore theater and see if more advanced/intense classes are necessary.

#### **1264 - Acting Studio II**

Grades 10-12 | Credits: 2.5 | Prerequisite: Acting Studio

This course allows students to refine their acting skills through intensive studies of scenes and monologues. Students will develop a richer understanding of theater history, from Ancient Greece to modern day through performance of repertoire from various time periods. Audition techniques and acting for film and television will also be explored.

#### **1279 - Acting Studio III Honors**

Grades 11-12 | Credits: 2.5 | Prerequisite: Acting Studio II

This course will provide an opportunity for students who have completed Acting Studio II to hone their acting skills, and explore higher level acting work with peers. Students will explore advanced acting concepts and apply them to scene work, and real world situations such as auditioning for college or professional shows. Also covered is the application of techniques gleaned through the study of such theorists as Michael Chekov, Jeremy Whalen, and Sanford Meisner. Students will finish with a 10-15-minute solo show, performed for an audience.

#### **1282 - Mask and Movement**

Grades 10-12 | Credits: 2.5

This course provides an opportunity for students to explore characterization/acting through bodywork. Students will explore different types and styles of movement, characterization through body acting

including unarmed stage combat, movement theory, and isolating body acting through mask work. This work will be applied to projects and scenes, and in so doing, students will learn how to transfer these theories and their own impulses to the stage for effective performances.

### **1546 - Singing for Musical Theater**

Grades 10-12 | Credits: 2.5

Singing for Musical Theater is a semester course to allow personal instruction in both solo and ensemble singing for musical theater. Vocal technique, staging, and characterization will be stressed using repertoire from the Musical Theater genre.

## **Music Theory Courses**

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### **1549 - Digital Music Studio**

Grades 10-12 | Credits: 2.5

This course is open to any student with a love for music but has no formal training. Students will explore music arranging, mixing, sampling, and live performance using computers, keyboards, drum pads, and other devices. This course will feature solo and collaborative music production, and students will finish the course with a portfolio of 5-8 finished tracks.

### **1548 - Advanced Music Studio**

Grades 10-12 | Credits: 2.5 | Prerequisite: Digital Music Studio or Demonstration of Music Reading Skills/Faculty Recommendation

Advanced Music Studio is designed for students who want to learn more advanced composing and recording techniques. Students will use computers, MIDI keyboards and other instruments to create new songs and song arrangements in a wide variety of musical styles. Music and audio software will allow students to compose, record, and edit music and to create original recordings. This class will also focus on composing and arranging music for live performers, recording and editing live and digital performances, and creating music to sync with video.

### **1542 - Musicianship**

Grades 10-12 | Credits: 2.5

This course is open to any student wishing to learn the fundamentals of music. Areas of study will include note reading, scales, rhythm, chord structure, and key signatures. Music from all periods and styles will also be explored. This course is recommended for students planning to take AP Music.

### **1503 - AP Music**

Grades 10-12 | Credits: 5 | Prerequisite: Successful completion of 1542 Musicianship (or placement test) and recommendation of the AP Music Teacher.

This course is designed specifically for the serious music student, offering an in-depth study of all the elements of music theory including harmony and counterpoint. A portion of the course is devoted to listening to music in order to understand how the elements combine to create a total composition. Students will gain greater skill in music analysis, sight-singing and music dictation. Independent music performance, composition, research and attending live concerts are encouraged.

## **Music Performance and Ensembles Courses**

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### **1543 - Beginning Piano**

Grades 10-12 | 2.5

This course introduces the fundamentals of playing any keyboard instrument. A music technology lab equipped with MIDI keyboards, computers and headsets will be used to learn to read and play music in the treble and bass clef using two hands. It is recommended that students have access to an instrument at home or outside of school.

### **1283 - Piano Workshop**

Grades 10-12 | 2.5 | Prerequisite: Successful completion of audition or Beginning Piano at EBHS or CJHS (Grade of B- or better)

This course provides an opportunity for students who have completed Beginning Piano to continue their development as keyboard musicians. In addition, through course admission by audition, this course can provide an appropriate placement for students who have acquired some level of piano proficiency through private lessons.

### **1521 - Concert Band (Brass/Woodwind)**

Grades 10-12 | Credits: 5

Concert Band is open to any student playing a brass or woodwind instrument. Students study and perform standard literature written or transcribed for concert band. Students are expected to attend group lessons, which are offered on a rotating schedule throughout the school day. Through group lessons and private practice, students increase their technical proficiency on their instrument. Students are required to attend all after-school and evening rehearsals and all scheduled performances. Enrollment in band is a prerequisite for performing in any other ensembles such as marching band, jazz band, orchestra, or percussion ensemble.



**1507 - Concert Band (Percussion)**

Grades 10-12 | Credits: 5

Concert Band (Percussion) is open to any student playing a percussion instrument. Students study and perform standard literature written or transcribed for concert band and percussion ensemble. Students are expected to attend group lessons, which are offered on a rotating schedule throughout the school day. Through group lessons and private practice, students increase their technical proficiency on their instrument. Students are required to attend all after-school and evening rehearsals and all scheduled performances. Enrollment in band is a prerequisite for performing in any other ensembles such as marching band, jazz band, orchestra, or percussion ensemble.

**1520 - Honors Wind Ensemble**

Grades 10-12 | Credits: 5 | Prerequisite: Successful completion of an audition

Wind Ensemble is an honors-level course open to a limited number of brass, woodwind, and percussion students selected through an audition process. Audition requirements may be obtained from the Music Department. Students study more difficult repertoire written for smaller wind bands. Students are expected to attend group lessons, which are offered on a rotating schedule throughout the day. Through private practice and group lessons, students increase their technical proficiency. Students are required to attend all scheduled afternoon and evening rehearsals and all performances. Students are expected to audition for Region Band. Students not able to audition must complete an alternate performance experience. Due to the nature of the wind ensemble, the following is the recommended instrumentation. This instrumentation may be modified to accommodate balance challenges with the group. Participation in the Wind Ensemble is limited to the following instruments:

- 4 Flutes
- 2 Bassoons
- 3 Trombones
- 2 Oboes
- 2 Alto Saxophones
- 2 Euphoniums
- 6 Bb Clarinets
- 1 Tenor Saxophone
- 1 Tuba
- 1 Alto Clarinet
- 1 Baritone Saxophone
- 3 Percussion
- 1 Bass Clarinet
- 4 French Horns
- 1 Mallet Percussion
- 1 Contrabass Clarinet
- 5 Trumpets
- 1 Timpani

**1537 - Honors Chamber Orchestra**

Grades 10-12 | Credits: 5 | Prerequisite: Successful completion of an audition

Chamber Orchestra is an honors-level course open to a limited number of string players through an audition process. Audition requirements may be obtained from the Music Department. Wind, brass, and percussion students from the Wind Ensemble may be added to form a Symphony Orchestra. Students study and perform music of greater difficulty written for chamber orchestra. Students are expected to attend group lessons, which are offered on a rotating schedule throughout the school

day. Through group lessons and private practice, students increase their technical proficiency on their instruments. Students are required to attend all after-school and evening rehearsals and all scheduled performances. Students are expected to audition for Region Orchestra. Students not able to audition must complete an alternative performance experience. Due to the definition of a Chamber Orchestra, instrumentation is limited and based upon the need for a balance between violins, violas, celli, and basses.

### **1518 - Orchestra**

Grades 10-12 | Credits: 5

Orchestra is open to any student playing a string instrument (violin, viola, cello, string bass). A broad selection of music, encompassing different styles and periods, is performed. Students are expected to attend group lessons, which are offered on a rotating schedule throughout the school day. Through group lessons and private practice, students increase their technical proficiency on their instruments. Students are required to attend all after-school and evening rehearsals and all scheduled performances.

### **1505/1506 - Chorus**

1505 - Chorus (Full-Year)

Grades 10-12 | Credits: 5

Chorus is a full-year choral ensemble open to students without an audition. In Chorus, students will learn how to improve their vocal technique and music reading through singing a variety of music. Previous musical experience is not necessary to be successful in this class. All Chorus classes combine for dress rehearsals and concerts. Chorus performs at both the Winter and Spring Choral Concerts and may have a few additional concert opportunities throughout the year. Attendance at all dress rehearsals and concerts is required.

1506 - Chorus (Semester Option)

Grades 10-12 | Credits 2.5

### **1508 - Honors Concert Choir**

Grades 10-12 | Credits: 5 | Prerequisite: Successful completion of an audition

Concert Choir Honors is a full year elective course offered to 10th through 12th grade students. Enrollment is by audition only. Concert Choir Honors students should anticipate additional after school and evening rehearsals in preparation of many public performances and choral festivals. Concert Choir Honors students are required to attend all rehearsals and performances as part of the course requirement. Qualified advanced students are expected to audition for Regional and New Jersey All-State Chorus. This course emphasizes advanced applications of previously learned fundamentals of ensemble singing through study and performance of quality vocal music. Solo and small ensemble singing are an integral part of this course. The size of the Concert Choir is dependent

on a balance of voice parts (soprano, alto, tenor, and bass).

### **1541 - Honors Bella Voce**

Grades 10-12 | Credits: 5 | Prerequisite: Successful completion of an audition

Bella Voce Honors is a full year elective course offered to 10th through 12th grade students. This course is designed to focus and explore literature and vocal technique specifically for the mature treble voice. Enrollment is by audition only. Bella Voce Honors students should anticipate additional after school and evening rehearsals in preparation of many public performances and choral festivals. Bella Voce Honors students are required to attend all rehearsals and performances as part of the course requirement. Qualified advanced students are expected to audition for Regional and New Jersey All-State Chorus. The course emphasizes advanced applications of previously learned fundamentals of ensemble singing through study and performance of quality vocal music. Solo and small ensemble singing are an integral part of this course.

## Visual Arts Courses

The junior high school art program consists of introductory and exploratory courses only. While specialized courses are the eventual high school goal, junior high school art classes are presented to allow students to experience various two and three-dimensional media.

The high school art program has four levels: introductory level courses for those students who want to be exposed to and are interested in art, workshop courses with prerequisites for those students ready to intensify their involvement in the visual arts, Honors and AP courses.

The Studio Art sequence is designed with the serious art student in mind. Students who complete this sequence successfully will be prepared as applicants to a college/university art major. In addition to these courses, potential art majors should consider supplemental three-dimensional, art history, and/or graphic arts courses.

### Churchill Junior High School Courses

#### **2261 - Art Exploration**

Grade 7 | Credits: 2.5

Art Exploration is the art elective course offered to seventh grade students. Art Exploration provides students with an opportunity to experience in greater depth the many varied methods and materials of art media. Exploration and development of line, color, form, texture and space in both 2-dimensional and 3-dimensional projects help to develop individual growth and personal expression. The program consists of projects in drawing, painting, 3 dimensional design, printmaking and graphic design.

#### **2260 - Three-Dimensional Art and Design**

Grades 8-9 | Credits: 2.5

This course is designed to be an introduction into the three-dimensional art world, working with both additive and subtractive techniques to explore various materials and mediums of production. Students will investigate problem solving techniques to create both representational and more abstract art forms while producing aesthetically pleasing 3-D structures such as kaleidocycles, geodomes, mobiles, and origami. Materials that may be explored, but are not limited to include paper, cardboard, wire, foam core, Styrofoam and Paper Mache.

#### **2264 - Ceramics Exploration**

Grades 8-9 | Credits: 2.5

This course is designed to be an introduction to ceramics as a sculptural medium. Students will learn about the history of ceramics and pottery as well as related vocabulary. Attention will be

focused on basic hand-building techniques as well as glaze and underglaze finishes.

### **2265 - Introduction to Ceramics**

Grades 8-9 | Credits: 2.5 | Prerequisite of B+ or better in Ceramics Exploration

This is a limited offering class (20 students x 2 semesters) for students meeting the prerequisite. Students learn basic hand-building techniques for forming clay and treating clay surfaces, including ceramic staining and glazing. Throwing techniques on the potter's wheel will be demonstrated. This course serves as a prerequisite to High School Ceramics Workshop.

### **2262 - Drawing Exploration**

Grades 8-9 | Credits: 2.5

Basic materials, techniques, and processes employed in drawing are introduced. The proper use of drawing media and composition is emphasized to develop technical skills. Drawing is a skill and this course introduces students to the basic concepts that develop this skill. Students are taught to see their environment through observational studies and represent it in their own artistic manner. Drawing pencils, pen & ink, charcoal, colored pencils, ink wash, and pastels are used. Techniques such as light and shade, perspective rendering, line usage, texture, pattern, cross hatching, and stipple are explored.

### **2263 - Drawing And Painting**

Grades 8-9 | Credits: 2.5 | Prerequisite of B+ or better in Drawing Exploration

The proper use of drawing and painting media is emphasized to develop technical skills. This course utilizes skills and techniques developed in the Drawing Exploration course to explore in more depth the artistic uses for wet and dry media. Students are taught to see their environment through observational studies and use these to represent it in their own artistic manner. Students will be responsible for maintaining a sketchbook as a means for gathering ideas and planning projects to develop growth in their skills and work. Drawing pencils, watercolor, acrylic paint, ink wash, and pastels are used. Techniques such as light and shade, perspective rendering, line usage, and color theory are explored.

### **2266 - Introduction to Digital Photography**

Grades 8-9 | Credits: 2.5 | No Prerequisite

The course introduces the basic principles of digital photography and photographic composition. Composing images when taking pictures is emphasized. Students use computer applications such as the Adobe Creative Suite to edit, adjust and finalize photographic images. Cameras are supplied for basic assignments.

## **2270 - Intro to Digital Graphic Arts & Design**

Grade 8-9 | Credits: 2.5

Students explore the world of Graphic Design and Digital Art through projects that emphasize Visual Communications. Basic to advanced activities, along with the layout principles are introduced and explored through the newest version of Creative Cloud Adobe Illustrator and Photoshop. The course highlights the importance of visually exploring and discussing the creative process through skill development and critique. Coursework is 100% computer based on Macintosh computers. Projects may include, but are not limited to layout and lettering design, black & white ornamental designs, personal logo and skateboard designs, album covers, stamp design, PSA posters, and the Bio Poem collage. A grade of A or higher in this course serves as a prerequisite to Digital Graphics Art and Design Workshop at EBHS.

## **East Brunswick High School Courses**

### **Two-Dimensional Sequence**

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While our program offers something for everyone and many opportunities to “dabble” in a variety of art media, a sequence of two-dimensional classes, each covering a wide range of artistic media including drawing, painting, printmaking, collage, and mixed-media (and leading to the Advanced Placement Studio Art course) has been designed for students who desire to develop their skills over time.

While these courses are not only for students desiring to take AP Studio Art, successful completion of a sequence of these courses including Studio Art (1 or more of the semester offerings in Grade 10), Honors Studio Art 2 (full year grade 11), will prepare students with an appropriate portfolio for application for AP enrollment. It is suggested that students complement these with other art courses offered including additional two-dimensional courses (listed under the Introduction and Workshop headings below) as well as our 3-D courses such as Ceramics and Sculpture).

## **1265 - Studio Art - Dry Media**

Grades 10-12 | Credits: 2.5

This semester course offering is designed for all students seeking a strong art foundation and an outlet for creative expression. It is a foundational course with a focus on drawing with dry media and the keystone in a sequence of courses that will enable all students to develop conceptual and technical skills in preparation for greater success in all visual art endeavors. Students can take one of the other semester offerings of Studio Art (wet media or printmaking) to complete a Full Year experience. All three semester offerings of Studio Art will run concurrently. The course is recommended for, but not limited to, students preparing to apply for future enrollment in Honors

Studio Art and/or Advanced Placement Studio Art. It is also highly recommended for students with an interest in art or an art-related career.

### **1266 - Studio Art - Wet Media**

Grades 10-12 | Credits: 2.5

This semester course offering is designed for all students seeking a strong art foundation and an outlet for creative expression. It is a foundational course with a focus on painting with wet media and the keystone in a sequence of courses that will enable all students to develop conceptual and technical skills in preparation for greater success in all visual art endeavors. Students can take one of the other semester offerings of Studio Art (dry media or printmaking) to complete a Full Year experience. All three semester offerings of Studio Art will run concurrently. The course is recommended for, but not limited to, students preparing to apply for future enrollment in Honors Studio Art and/or Advanced Placement Studio Art. It is also highly recommended for students with an interest in art or an art-related career.

### **1267 - Studio Art - Printmaking**

Grades 10-12 | Credits: 2.5

This semester course offering is designed for all students seeking a strong art foundation and an outlet for creative expression. It is a foundational course with a focus on printmaking and the keystone in a sequence of courses that will enable all students to develop conceptual and technical skills in preparation for greater success in all visual art endeavors. Students can take one of the other semester offerings of Studio Art (dry media or wet media) to complete a Full Year experience. All three semester offerings of Studio Art will run concurrently. The course is recommended for, but not limited to, students preparing to apply for future enrollment in Honors Studio Art and/or Advanced Placement Studio Art. It is also highly recommended for students with an interest in art or an art-related career.

### **1260 - Studio Art II (H)**

Grades 10-12 | Credits: Credits: 5 | Prerequisite: Grade of B+ or better in any of the Studio Art offerings or application process including interview and samples of prior work.

Studio Art II (H) is for the student who has a strong command of the fundamental elements and principles of art and a proficiency in drawing skills and techniques, has explored thematic ideas and is ready to prepare a professional portfolio for presentation to college admissions, prospective employers and/or the general public.

## Introductory Level Course

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The semester introductory level courses offer an in-depth study of individual art areas. Some of these courses also serve as prerequisites for higher level.

### **1251 - Introduction to Photography**

Grades 10-12 | Credits: 2.5

The course introduces the basic principles of photography and photographic composition. Thirty-five mm and digital cameras are used. Composing images when taking pictures is emphasized. The basic darkroom techniques, developing film, making proof sheets and enlargements are experienced. With digital photography, students use computer applications such as Photoshop and InDesign. Cameras, film photo paper and chemicals are supplied for basic assignments. This course is a prerequisite for Photography Workshop.

### **1253 - Digital Graphic Arts & Design Level I**

Grades 10-12 | 2.5

Students are made aware of the varied occupations and careers that comprise the commercial art field through projects that emphasize visual communications. Basic and advanced activities along with layout principles are introduced and explored through Adobe Illustrator, Photoshop and digital tablets. The course highlights the importance of visually exploring and discussing the creative process through skill development and critique. The course is 100% computer based (Mac). Projects may include, but are not limited to layout and lettering design, corporate and personal logos, posters, invitations, CD covers, cereal box covers, soda cans, business cards, and contests for meeting the needs of the client. This course serves as a prerequisite to Digital Graphic Arts & Design Workshop.

### **1254 - Animation**

Grades 10-12 | Credits: 2.5

This course will focus on two- and three- dimensional animation, the elements of art and principles of animation. Skill development emphasizes the interactive use of drawing and design fundamentals, storyboarding, set building, composition and imaging, editing, lighting, audio and sound creation, as well as discussion of the creative process and critique. Students will be introduced to the 12 principles of animation and will stress their importance while creating original story-driven work. The techniques of still framing, stop motion, and claymation will be used with Mac computers and Creative Cloud Adobe Photoshop, large Wacom digital tablets and digital cameras. Why just watch cartoons when you can learn to create your own?



### **1258 - Interior Design**

Grades 10-12 | Credits: 2.5

Students learn to create living spaces by designing floor plans and elevations to scale. Principles of design such as color, pattern, and texture are then applied to the students' designs to complete the process. Board work as well as computer aided design will be used.

### **1259 - Introduction To Sculpture**

Grades 10-12 | Credits: 2.5

Students will design and create 3D forms using additive and subtractive methods. A variety of materials such as paper, board, wire and plaster may be used to explore relationships of volume, texture and space. This course serves as a prerequisite to Sculpture Workshop.

### **1261 - Airbrush**

Grades 11-12 | Credits: 2.5

Within this course, students are introduced to the basic functions and proper use of the airbrush. Masking methods, freehand illustration techniques and design principles are applied to class projects. Care and maintenance of the airbrush are stressed.

### **1262 - Introduction to Ceramics**

Grades 10-12 | Credits: 2.5

Students learn basic hand-building techniques for forming clay and treating clay surfaces, including ceramic staining and glazing. Throwing techniques on the potter's wheel will be demonstrated. This course serves as a prerequisite to Ceramics Workshop.

### **1273 - Jewelry Studio**

Grades 10-12 | Credits: 2.5

Students will develop miniature sculptural forms as functional jewelry. Students gain basic sculptural and body adornment skills using various materials. Embellishment of both 2 and 3D surfaces through selected materials and techniques are accomplished.

## **1280 - Storytelling Through Visual Illustration**

Grades 10-12 | Credits: 2.5

The art of storytelling through pictures comes to life in this exciting new course! With comic books, editorials, caricatures and children's books, you'll interpret a variety of texts - short story, poetry, interview, editorial non-fiction, essay – through the techniques and media of a professional illustrator. You'll get a chance to experiment with painting, drawing, printmaking and design tools to develop a personal style. Whether you are interested in pursuing illustration as a career or just have a story to tell, Illustrating the Written Word is for you!

## **1290 - Film Appreciation - The Art of Enjoying Cinema**

Grades 10-12 | Credits: 5-5

The course helps the student to become a film critic and to develop an awareness of film's special language—the terms with which screenwriters, directors, and directors of photography speak. Classics, contemporary cinema, foreign films, short films, television shows, and documentaries are shown to expose students to a variety of genres. Films from the birth of this technology to the present are screened, compared, analyzed, and discussed. The class focuses on both the history of the film and the style in which the production was shot. Film clips will also be utilized to show examples of certain types of filmmaking techniques.

## **1291 - Science Fiction in the Movies!**

Grades 10-12 | Credits: 2.5

This course will afford students the opportunity to explore the uses of science fiction in the movies from the beginnings of filmmaking until today. Unit topics will include: "Humans and Technology"; "Knowledge Isn't Always Power"; "The Search for Mean"; "Strange Phenomena"; Science Fiction as a Critique of Society" and "People in Time and Space". Film clips and full feature films will be shown from a variety of different Science Fiction movies. This is the perfect course to complement the full year, Film Appreciation course or to be taken all on it's own!

## **Workshop Level Courses**

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Workshop level courses are for those students seeking to intensify their study in a specific area of the visual arts. These courses build sequentially on technical skills and concepts introduced in the prerequisite courses. Students are expected to work independently and think critically throughout the art making process. Classroom discussion, outside assignments and art journals are vital components of these courses. Students can continue their work in a given area of study by taking workshop levels two and three.

### **1023 - EBHS Publisher's Workshop IIH**

Grades 11-12 | Credits: 5 | Course prerequisite: Publisher's Workshop

In Part II of Publisher's Workshop, students will continue to collaborate with peers and teachers to find, write, photograph, design & publish stories for the Yearbook & EBHS Bear Hub, with a special emphasis on developing workplace leadership skills. Students will explore higher level concepts involved in publishing including topics like media/photojournalism law, news literacy, story package planning, and how to grow readership. Students will be required to take on a leadership role and delegate journalistic and publishing assignments while also completing editorial review of peer contributions. Students will continue to hone their chosen specialties within the course and seek to discover their personal writing, photography, and/or graphic design style by presenting a culminating thesis presentation showcasing the growth and development of their chosen specialty. This course will run concurrently with Publisher's Workshop.

### **1024 - EBHS Publisher's Workshop**

Grades 10-12 | Credits: 5-5

In this innovative, workshop-based course, students will collaborate with peers and teachers to find, write, photograph, and publish stories for school periodicals with special focus on the creation of the Yearbook. The course will have two teachers; one who focuses on photography & graphic design, and one who focuses on journalistic writing. Students may select a focus of either graphic design or writing, or may explore both. All students will produce material that is ultimately published in a school periodical. Students should be self-motivated, self-directed, independent, and of high integrity.

### **1250 - Digital Graphic Arts & Design Workshop**

Grades 10-12 | Credits: 2.5 | Prerequisite: Grade of B- or better in Digital Graphic Art & Design Level I (or grade of A in 9th grade Intro to Digital Graphic Art & Design)

A second step to the precursor Level I class, students will continue to be made aware of the varied occupations and careers that comprise the commercial art field through projects that emphasize visual communications. Advanced activities along with layout principles are stressed and explored through Adobe Illustrator, Photoshop, After Effects, digital tablets, and digital cameras. This course is 100% computer based instruction (Mac) and is designed for students looking to build a portfolio in order to major in the Graphic Arts as well as the student who just enjoys the creation of digital art. Projects include, but are not limited to typography, 100 triangle composition, metalwork and coin creating, photo mosaic and photo colorizing composition.

### **1252 - Photography Workshop (Levels 1-3)**

Grades 10-12 | Credits: 2.5 | Prerequisite: Grade of B- or better in Introduction to Photography

Photography Workshop is a sequential course that builds from the basics in the introductory course. Students are introduced to photographic accessories including lenses, different format cameras, use of color filters and studio lighting. Conceptual images, as well as digital and computer enhancement, will be explored. Emphasis is placed on photographic techniques found in the works of the experts, unique images and mastery of composition through shooting and printing.

### **1263 - Ceramics Workshop (Levels 1-3)**

Grades 10-12 | Credits: 2.5 | Prerequisite: Grade of B- or better in Introduction to Ceramics

This course provides a greater concentration in all areas, including hand building, glaze chemistry, kiln loading and firing, clay making and the potter's wheel. Instruction is individualized, allowing students to develop their own ideas and areas of concentration. Advanced students are expected to help in the introductory classes and to produce quality work on the potter's wheel.

### **1269 - Sculpture Workshop**

Grades 10-12 | Credits: 2.5 | Prerequisite: Grade of B- or better in Introduction to Sculpture

The Sculpture Workshop is for students with a strong command of the fundamental elements and principles of art who are interested in further developing visual artistic sensibilities in 3-dimensional artwork. In building a portfolio and by maintaining a sketchbook, students experience a variety of concepts, techniques and approaches designed to encourage creative as well as systematic investigation of formal, technical, and expressive issues in a 3-dimensional format. This course will provide an opportunity for students to continue to develop original sculpture by exploring the plastic possibilities of various concepts, forms, and processes. Among the materials that may be used are stone, clay, plaster, wire, metal, plastic, wood, Styrofoam, foam core, and found objects.

## **Advanced Placement Courses**

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### **1275 - AP Art and Design**

Grades 12 | Credits: 5-5 | Prerequisite: Students must satisfy an application process including interview, written statement, and samples of prior work.

This course is designed for the advanced visual arts student and attempts to help students qualify for credit in Advanced Placement in colleges. Students will be required to create and submit an extensive body of 2-dimensional work. It requires a high degree of commitment to studio work and to the purposes of a program designed to meet college standards. Students can choose to prepare

for either the AP Drawing Portfolio or the AP 2D Design Portfolio.

## 1292 - AP History of Art

Grades 11-12 | Credits: 5-5

This course examines the developments in painting, sculpture and architecture from ancient times to the 21st century. Designed to foster student understanding and enjoyment of works of art, this course aims to develop their ability to examine art intelligently, acquainting them with the major forms of artistic expression in their own time and cultivating an understanding of art from other times and cultures. No prior experience in art is assumed. Indeed, students who have done well in other humanistic studies such as history and literature, or in any of the studio arts, are especially encouraged to enroll. The course attempts to help students qualify for credit and advanced placement in colleges. It requires a high degree of commitment to academic work and to the purposes of a program designed to meet college standards. However, the course may be taken for high school credit only. Students electing Advanced Placement Art History have the option of receiving high school credits in either art or social studies.

Meets [NCAA Core Course Requirements](#).

## Special Electives

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### 1294 - Humanities

Grades 12 | Credits: 5-5

Humanities is a once-in-a-lifetime, seniors only arts course where we talk about human experiences that everyone who has ever lived dealt with. Through wacky activities, hands-on explorations and collaborative play, you will experience the arts, performances, history, philosophy, cultural figures from the past and present and learn something about yourself in the process. Don't leave high school without taking this class!

A Sampling of What We Study:

- Get rebellious by joining a Punk Band
- Create beauty by sculpting the human form with Play-Doh
- Emote through Live Poetry Performances
- Relate to nature through a Recycled Fashion Show
- Explore musical diversity by creating a Song Remix
- Combat intolerance through Graphic Design
- Express your opinion through Protest
- Give back to your world through a Community Service Start-Up
- Follow society's rules through 18th Century Dance
- Connect with your inner child through Outdoor Play

- Find Society's boundaries with Graffiti Tags  
Meets [NCAA Core Course Requirements](#).

## Introduction to English Courses

All East Brunswick students are required to take English every year from grades 7-12. Seventh grade students must take English 7 or English 7 Honors. Eighth grade students must take English 8 or English 8 Honors. Ninth grade students must take English 9 or English 9 Honors. Sophomores must take English 10 or English 10 Honors. Juniors must take English 11, English 11 Honors, or AP Language and Composition. Seniors must take English 12, College Writing Honors, or AP Literature and Composition. Each of the required courses emphasizes the major strands of the language arts:

- Reading—analysis, interpretation, and evaluation of significant works of literature.
- Writing—emphasis on expository writing in a variety of modes for a variety of audiences.
- Speaking—large and small group discussion, individual presentations.
- Listening—active and purposeful engagement.
- Viewing—utilization of media literacy.
- Skills—research skills and application, vocabulary development, grammar/syntax/usage, study skills.

It is strongly recommended that all students enroll in those courses that will optimize the development of lifelong communications skills and the opportunity for further education.

## English Courses

### Churchill Junior High School Courses

#### 2016 - English 7

Grade 7 | Credits: 10

English 7 provides a comprehensive, in-depth range of balanced literacy experiences in reading and writing. Students write narrative, argument, and informational pieces across the year. Students work in book clubs and through independent reading to build their literary and informational reading skills, while also strengthening their ability to complete research and report on a topic. The course provides students with two opportunities to engage in book clubs with their peers around genre specific books, along with daily opportunities for collaboration and discussion with peers around curricular content.

#### 2017 - English 7 H

Grade 7 | Credits: 10 | Prerequisites will determine placement into course

English 7 Honors provides instruction and activities at a faster pace and with increased depths. In this course, organized by units of study related to literary genres and styles of writing, students engage in an in-depth range of balanced literacy experiences in reading and writing. Students write narrative, argument, and informational pieces across the year. Students work in book clubs and through

independent reading to build their literary and informational reading skills, while also strengthening their ability to complete research and report on a topic. The course provides students with two opportunities to engage in book clubs with their peers around genre specific books, along with daily opportunities for collaboration and discussion with peers around curricular content.

## **2010 - English 8**

Grade 8 | Credits: 5

English 8 provides a comprehensive, in-depth range of language experiences for students in literature and in writing. Students read short and full-length works categorized by literary genre and relate to their own lives and/or other literature that they have read. Writing assignments are based on class reading, instruction and discussion. Students participate in small and large group discussions. They receive significant instruction in reading, writing, research and vocabulary skills. Over the course of the year, students will be expected to complete short mini-research simulations and read independently both in class and at home. This course will prepare students for the state mandated exam, which measures performance relative to the New Jersey Student Learning Standards.

## **2012 - English 8 H**

Grade 8 | Credits: 5 | Prerequisites will determine placement into course

English 8 Honors provides instruction and activities at a faster pace and with increased depth. In this course, organized by literary genre, students explore short and full-length works. Students develop skills in literary analysis, especially in recognizing the characteristics of each genre and the effects of those characteristics on the works studied. Reflecting a variety of writing modes, writing assignments are based on the readings and on students' experiences. Students participate in small and large group discussions. They receive significant instruction in reading, writing, research, and vocabulary skills. Honors students should be self-motivated and driven to set and meet their own deadlines. Over the course of the year, students will be expected to complete several short mini-research simulations and read independently both in class and at home. This course will prepare students for the state mandated exam, which measures performance relative to the New Jersey Student Learning Standards.

## **2015 - English 9**

Grade 9 | Credits: 5

English 9 provides broad experiences for students in writing and in literature. Students read a wide range of short and full-length works, representing a variety of literary genres. They apply their understanding of their reading to personal experiences. Writing assignments are based on class reading, instruction, and discussion. Students participate in small and large group discussions. They receive significant instruction in reading, writing, research, and vocabulary skills. This course will



prepare students for the state mandated exam, which measures performance relative to the New Jersey Student Learning Standards. Research tasks and independent reading are course requirements.

Meets [NCAA Core Course Requirements](#)

## **2014 - English 9 H**

Grade 9 | Credits: 5 | Prerequisites will determine placement into course

English 9 Honors follows the English 8 Honors program, providing instruction at a faster pace and with increased depth. Organized by literary genre, the course explores short and full-length works of literary merit. Students develop skills in literary analysis, especially in recognizing the characteristics of each genre and the effect of those characteristics on the meaning of specific works. Writing assignments are based on the literature and reflect a variety of modes and audience requirements. Students participate in small and large group discussions. They receive significant instruction in reading, writing, research, and vocabulary skills. This course will prepare students for the state mandated exam, which measures performance relative to the New Jersey Student Learning Standards. Research tasks and independent reading are course requirements.

Meets [NCAA Core Course Requirements](#)

## **2030 - Read Write**

Grades 7-9 | Credits: 5

Placement into this course is determined by state standardized test scores, local reading and writing assessments, and/or teacher recommendation. Students are provided with opportunities to build basic reading and writing skills. Through systematic and targeted instruction, students learn to read and comprehend text at a deeper level while developing a diverse vocabulary and expressing their ideas clearly in writing. This course is taken in addition to the appropriate level English course.

## **Electives**

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### **2020 - Creative Writing**

Grades 8-9 | Credits: 2.5

This semester English elective course is designed for students who wish to develop their creative writing abilities through independent practice and frequent individual conferences with the instructor. This course trains students to express themselves through original poems, short stories, and essays, based upon their own experiences and sensory impressions. Students read and discuss literary models, as well as read and discuss one another's work. Students also have opportunities to publish their work both within and outside of the school context. Ideal candidates for this course are motivated, self-directed learners who are able to complete and submit tasks independently.

## **2013 - Heroes, Villains, and Mythology**

Grade 9 | Credits: 2.5

Heroes, Villains, and Mythology is a semester English elective course for all students interested in exploring the social, artistic and philosophical implications of world mythology. Students will learn about the foundations of Greek and Roman myth and the ways in which these myths inform works such as Homer's Iliad and Virgil's Aeneid. Ultimately, students will examine myths from a variety of cultures in order to better understand the relevance of mythology to art as well as contemporary issues concerning justice, identity, the family and war. Students will complete reading and writing assignments on a daily basis as well as engage in spirited class discussions. All ninth graders are eligible to enroll in this elective.

Meets [NCAA Core Course Requirements](#)

## **East Brunswick High School Courses**

### **1002 - English 10**

Grade 10 | Credits: 5

English 10 explores significant works of literature, both fiction and nonfiction, from a thematic perspective. In addition to reading both short and full-length works, students engage in analytic discussion regarding themes and characters within the works and apply their understanding to personal experience, as well as make connections across texts. Frequent analytical, narrative, and synthesis style writing assignments are an important part of this course. This course will prepare students for the state mandated exam, which measures performance relative to the New Jersey Student Learning Standards.

Meets [NCAA Core Course Requirements](#)

### **1001 - English 10 H**

Grade 10 | Credits: 5 | Prerequisites will determine placement into course

English 10 Honors explores significant works of literature, both fiction and nonfiction, from a thematic perspective. In addition to reading challenging short and full-length works, students engage in detailed discussion regarding the philosophical ideas, themes, and characters within the texts, as well as make connections across texts. They also write interpretive and persuasive pieces based upon the literature and spend a significant amount of time on developing analytical, narrative and synthesis style writing. This course will prepare students for the state mandated exam, which measures performance relative to the New Jersey Student Learning Standards. Meets [NCAA Core Course Requirements](#)

**1007 - English 11**

Grade 11 | Credits: 5

English 11 explores significant works of literature, both fiction and nonfiction, from a thematic perspective. In addition to reading both short and full-length works, students engage in analytic discussion regarding themes and characters within the works and apply their understanding to personal experience, as well as make connections across texts. Frequent analytical, narrative, and synthesis style writing assignments are an important part of this course. This course will prepare students for the state mandated exam, which measures performance relative to the New Jersey Student Learning Standards. Students will also have the opportunity to take the Accuplacer, an online assessment given to college students.

Meets [NCAA Core Course Requirements](#)

**1006 - English 11 H**

Grade 11 | Credits: 5 | Prerequisites will determine placement into course

English 11 Honors explores significant works of literature, both fiction and nonfiction, from a thematic perspective. In addition to reading challenging short and full-length works, students participate in and lead detailed discussion regarding the philosophical ideas, themes, and characters within the texts, as well as make connections across texts. They also write interpretive and persuasive pieces based upon the literature and spend a significant amount of time on developing analytical, narrative, and synthesis style writing. Students prepare for the state mandated exam, which measures performance in relation to the Common Core standards. Meets [NCAA Core Course Requirements](#)

**1009 - College Writing H**Grade 12 | Credits: 5 | Prerequisites will determine placement into course | [Dual-Credit Option](#)

College Writing Honors is a senior year writing intensive course designed to immerse high school students into the expectations and rigor of college writing. During the first semester, students will read, comprehend, analyze, and evaluate multiple nonfiction texts used in Expository Writing 101 at Rutgers University. Through the process of writing multiple drafts of expository essays, students will develop independent theses that connect and respond to the ideas and information in the texts they read. During the second semester, students will extend their understanding of the college writing process by reading and making connections across thematically linked fiction and nonfiction multimodal texts. Students will continue to learn and develop the skills of clear, correct, effective English by reading essays, longer works of non-fiction prose, and literary criticism. Students will complete a variety of writing projects requiring techniques such as cause and effect, analysis, evaluation, synthesis, argumentation, and persuasion. The course content aligns with Rutgers University's Expository Writing 101 and Middlesex County College's Composition I and II. Please note the College Writing Honors course is currently under review at Rutgers. There is a possibility students may have to choose between Middlesex County College credits and Rutgers University credits.

Students and parents will be notified of the decision when the review process at Rutgers is finalized.  
Meets [NCAA Core Course Requirements](#)

## **1012 - English 12**

Grade 12 | Credits: 5 | [Dual-Credit Option](#)

English 12 is designed for seniors who wish to pursue a college education or training for other careers. This course emphasizes the skills needed for successful college reading and writing through a series of non-fiction readings and process papers. Students will close read thematic-based college level texts to write a variety of essays: summary and response, critique, analytical, and synthesis. In addition, students enrolled in English 12 will examine literary fiction and have the opportunity to take the Accuplacer, an online assessment given to college students. The course content aligns with Middlesex County College's ENG-121. In order for EBHS students to be eligible for dual enrollment with MCC to receive 3 college credits for ENG 121 (English Composition I), they must demonstrate competency on a college placement assessment, such as the Accuplacer Writeplacer, NJSLA, SAT, or ACT. Meets [NCAA Core Course Requirements](#)

## **1040 - English 12 Support**

Grade 12 | Credits: 5

The results of standardized testing, Middlesex County College's English placement criteria, and/or teacher recommendation, serve as the criteria for enrollment in this course. Students will have the same English teacher for both English 12 and English 12 support and will remain in the class for a double period. Emphasis will be placed on helping students overcome any deficiencies or difficulties they may have in meeting the state graduation requirements for English and the learning outcomes for college level English. A review of reading and writing basics using special materials designed to help students improve, specifically material that reinforces the English 12 curriculum, is the focus of the course.

## **1005 - AP English I: Language and Composition**

Grade 11 | Credits: 5 | Prerequisites will determine placement into course

AP English I (Language and Composition) is a demanding college level course offered to juniors in which students employ an intensive, interpretative, and critical approach to modern and classical literature. Students develop their unique perspectives and writing voices through small and large group discussion, and through a variety of writing tasks. Writing assignments include the analysis of text, structure, and style; reflect all of the rhetorical modes, and incorporate writing for everyday situations. Students are prepared for and encouraged to take the AP Language and Composition Examination in May. There is also a required summer project for this course.

Meets [NCAA Core Course Requirements](#)

## **1010 - AP English II: Literature and Composition**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course

AP English II (Literature and Composition) is a demanding academic course in which students employ an intensive, interpretive, and critical approach to modern and to classical literature through class and independent reading, through small and large group discussion, and a variety of writing experiences. Writing assignments include the analysis of text, structure, and style and incorporate writing for formal and informal occasions. Students are prepared for and encouraged to take the Advanced Placement English Literature and Composition Examination. There is also a required summer project for this course.

Meets [NCAA Core Course Requirements](#)

## **Electives**

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### **1013 - AP Seminar**

Grades 11 | Credits: 5 | Prerequisites will determine placement into course

AP Seminar is a highly collaborative, interdisciplinary course where students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. AP Seminar students develop and use inquiry skills to question and explore, understand and analyze, evaluate multiple perspectives, synthesize ideas, and create arguments. Students are assessed with two performance tasks throughout the year and an end of course exam. Students taking AP Seminar should be motivated and independent as well as willing to expand their understanding through research, share and defend thoughts and ideas, strengthen modes of communication, and accept fair criticism and use feedback to develop their writing. AP Seminar is a prerequisite for AP Research. This course is required for the AP Capstone Certificate and/or AP Capstone Diploma. Please refer to the Course Levels page for specific requirements about the AP Capstone program.

### **1014 - Developing Student Leaders H**

Grades 11-12 | Credits: 2.5

Developing Student Leaders provides the opportunity for students to realize and investigate their own leadership potential. The course will outline the theoretical foundations of leadership through a thorough review of leadership theories and then provide students with the opportunity to understand what it takes to influence and empower others. Throughout the course, students will identify and develop patterns of leadership in chosen areas of school and community outreach. Students will pursue opportunities for growth and assess their own leadership style through project-based learning.

Meets [NCAA Core Course Requirements](#)

## **1021 - Creative Writing**

Grades 10-12 | Credits: 2.5

This semester English elective course is designed for students who wish to develop their creative writing abilities through independent practice and frequent individual conferences with the instructor. This course trains students to express themselves through original poems, short stories, and essays, based upon their own experiences and sensory impressions. Students read and discuss literary models, as well as read and discuss one another's work. Students also have opportunities to publish their work both within and outside of the school context. Ideal candidates for this course are motivated, self-directed learners who are able to complete and submit tasks independently. Meets [NCAA Core Course Requirements](#)

## **1023 - EBHS Publisher's Workshop**

Grades 10-12 | Credits: 5

In this innovative, workshop-based elective course, students will collaborate with peers and teachers to find, write, photograph, design and publish stories for the Yearbook and EBHS Bear Hub. The course will have two teachers; one who focuses on photography & graphic design, and one who focuses on journalistic writing. Students should be self-motivated, self-directed, high integrity multi-taskers ready to contribute to this energetic, tech-oriented newsroom.

## **1024 - EBHS Publisher's Workshop II H**

Grades 11-12 | Credits: 5 | Course prerequisite: Publisher's Workshop

In Part II of Publisher's Workshop, students will continue to collaborate with peers and teachers to find, write, photograph, design & publish stories for the Yearbook & EBHS Bear Hub, with a special emphasis on developing workplace leadership skills. Students will explore higher level concepts involved in publishing including topics like media/photojournalism law, news literacy, story package planning, and how to grow readership. Students will be required to take on a leadership role and delegate journalistic and publishing assignments while also completing editorial review of peer contributions. Students will continue to hone their chosen specialties within the course and seek to discover their personal writing, photography, and/or graphic design style by presenting a culminating thesis presentation showcasing the growth and development of their chosen specialty. This course will run concurrently with Publisher's Workshop.

## **1025 - Public Speaking H**

Grades 10-12 | Credits: 2.5 | [Dual-Credit Option](#)

This English elective course is designed to help students become more confident speakers and better speech writers. Students will learn to research, organize, write, and present various types of

speeches: informative, persuasive, and demonstrative. They will also read, analyze, and deliver memorable speeches from literature and history. At the end of the course, students will understand how to effectively write speeches and how to deliver them using rhetorical techniques.

Meets [NCAA Core Course Requirements](#)

### **1028 - Shakespeare H**

Grades 10-12 | Credits: 2.5

This English elective course is designed for students who have a love of literature and drama, and are fascinated by the works of Shakespeare. The class offers students of different levels an opportunity to read and to discuss Shakespeare's comedies, histories and romances. No tragedies! The coursework focuses less on literary analysis, and more on the entertainment value of the plays: the ways the plays have been portrayed in film, the history of Shakespearean theater, and student performances. The course requires students to read critically and creatively, write reactions to the texts, and think deeply. Open discussions and active participation are encouraged.

### **1029 - Philosophy for Teenagers H**

Grades 10-12 | Credits: 2.5

Philosophy for Teenagers Honors is a semester Honors English elective course designed for diligent students interested in reading, writing and thinking about big questions. Students will explore complex topics through units such as Epistemology, Ethics, Free Will and Determinism, and The Meaning of Life. Through readings and class discussions, students will experiment with the basic methods of philosophical inquiry and, ultimately, use these inquiries as a lens through which they examine their own values and assumptions. Students will read selections from the great thinkers as well as selections from other classic and contemporary sources. Students enrolled in this course will be required to complete reading and writing assignments and engage in spirited class discussions on a daily basis.

### **1030 - Sports and Literature**

Grades 10-12 | Credits: 2.5

This English elective course will channel the passion that many high school students have for sports and use it to develop them into strong readers (of mainly non-fiction texts) and strong writers (of mainly analytic essays). The broad and complex role of sports in contemporary America provides a common intellectual ground for students of different grades, interests and ability levels. Likewise, they will become better readers through exposure to challenging texts of various lengths and better writers through constant exposure to several of the rhetorical modes (such as narration, definition, comparison and process analysis).

## **1042 - SAT Preparation**

Grades 10-12 | Credits: 2.5

This semester elective course is designed to help students better prepare for both the verbal and math portions of the SAT exam. Students will utilize a combination of in-person and electronic approaches, to experience the format, requirements, and scoring of the exam. They will also learn various test-taking strategies for success on the SAT. The verbal portion of the course will focus on evidence-based reading and writing tasks, as well as the optional essay component. The math portion of this course is designed to teach students how to approach each type of problem. The semester will be divided in half where students will focus on either verbal or math for the first quarter and then switch to the other content for the second quarter. Ideal candidates for this course are motivated, self-directed learners who can independently complete and submit tasks.



# Health and Physical Education

## Health Courses

The Health curriculum focuses on current health issues and important topics related to wellness. The goal of the health education program is to help students develop awareness and appreciation of the mental, social, physical and emotional aspects of a healthy individual. The program in grades 7, 8 & 9 is a one semester course. Health (11th and 12th grades) and Driver Education (10th grade) is a one-quarter course for 1.25 credits. All Health classes run on the A/B block schedule.

## Churchill Junior High School Courses

### **2735 - Health 7**

Grade 7 | Credits: 2.5

The purpose of the seventh grade health course is to establish a solid foundation of health information that the student will use throughout their life. It is a crucial point in the development of the student to create a base for healthy lifestyle practices including: proper diet, exercise habits, leadership skills, and refusal skills. The student will also be informed of the risk factors of an unhealthy lifestyle including: tobacco products and their effects on the human body, alcohol and its effect on the human body, as well as other drugs. The students will also undergo an intricate family life unit that will inform the student on the anatomy and physiology of the reproductive systems as well as other risk factors to a healthy lifestyle in this area. The students will develop a sense of self-worth and personal responsibility in this health class. We will establish this foundation by relating these new ideas with the concepts the student is learning in other areas of education such as Math, Science, Language Arts, Career Education and Consumer/Family/Life Skills.

### **2730 - Health 8**

Grade 8 | Credits: 2.5

The purpose of health instruction in grade eight is to emphasize the establishment, development and achievement of a positive lifestyle. The student will acquire health information, decision-making skills, and coping strategies that are necessary for physical, intellectual, social and emotional well-being. The grade eight health course deals with mental health, drug and alcohol abuse, family life relationships, consumer health, environmental health, prevention and control of disease, nutrition, first aid, and stress and bullying. Developmental or adaptive health is also available to students with special needs.

## **2722 - Health 9**

Grade 9 | Credits: 2.5

Grade 9 Health is a comprehensive program of interrelated components that stress the choices and skills necessary for wellness. Topics to be covered include the functioning and structures of the endocrine system and reproductive system along with changes during adolescence as they relate to childbirth and pregnancy including, teen pregnancy and teen pregnancy options. Various methods of contraception (stressing abstinence), STI's, their symptoms, spread, prevention, and treatments; along with dating violence, date rape, gender issues and gender bias issues. Students will acquire accurate and current health information and develop healthful attitudes and behaviors. Students will discover reliable and current sources of information that they will consult now and in the future. This course teaches and reinforces the skills necessary to weigh options and to make responsible and healthy choices. Developmental or adaptive health is also available to students with special needs.

## **East Brunswick High School Courses**

### **1702 - Driver Education (Sophomores)**

Grade 10 | Credits: 1.25

Grade 10 Health (Driver Education) is a state-certified course of instruction consisting of a minimum of 30 hours of classroom instruction designed to teach the students all they need to know to become safe, responsible drivers. Students will learn how to progress through New Jersey's Graduated Driver's License program, and will receive an opportunity to take the NJ State Permit Test. They will learn how to fulfill the various Motor Vehicle Commission requirements for their vehicles. Students will have a working knowledge of New Jersey's driving rules and regulations and an appreciation of the importance of following these guidelines.

### **1701 - Health 11 (Juniors)**

Grade 11 | Credits: 1.25

Grade 11 Health is designed to re-emphasize many of the important concepts learned in earlier grades. As part of the program, new material will be added which will supplement and add depth to the previously learned concepts and skills. The students will receive a course in the techniques of Adult Cardiopulmonary Resuscitation using the American Heart Association Family and Friends CPR non-certification course. The students will review healthy heart lifestyle choices. The students will be provided with current relevant health information in areas of substance abuse/addictions so they may make informed, intelligent decisions related to their personal use/non-use. This course places a strong emphasis on addictions and making good choices to maintain a healthy lifestyle. They will apply knowledge of sexually transmitted infections so as to evaluate their own level of risk and take steps to change any higher risk behaviors. The students will also look at mental illnesses and how

they affect individuals in their daily lives, and learn prevention and treatment methods that are available. Developmental or adaptive health is also available to students with special needs.

### **1700 - Health 12 (Seniors)**

Grade 12 | Credits: 1.25

Grade 12 Health is designed to re-emphasize many of the important concepts learned in the ninth grade health curriculum. As a result of this course, students will have a working knowledge of the male and female reproductive systems. They will evaluate lifestyle behaviors and choices and identify personal risk for reproductive cancers. They will be able to understand how to perform self-exams such as breast and testicular exams. Students will understand how conception takes place, signs and symptoms of pregnancy, fetal development, labor and delivery as well as how dangerous substances such as drugs and alcohol, etc. can affect the fetus. Students will understand the benefits of abstinence in a relationship. Using current research, they will explore methods of contraception and risk elimination. Students will identify healthy vs. unhealthy relationships. They will compare and contrast attitudes and beliefs about gender identity and sexual orientation. Students will discuss what goes into a healthy long term commitment. Developmental or adaptive health is also available to students with special needs.

## **Electives**

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### **1706 - CPR Certification/Teen Stress Management Skills**

Grades 10-12 | Credits: 2.5

This elective offers instruction in rescue procedures on INFANTS and CHILDREN in addition to ADULTS. Many students need, or want, this course for their part-time jobs, especially those who are babysitters, camp counselors, lifeguards, student trainers, waiters/waitresses, aerobics instructors, rescue squad or fire department members, etc. In order to receive a Heart Saver Certification Card, students must demonstrate proficiency in performance and knowledge of rescue techniques and pay a nominal fee for the certification card. As part of the program students will have the most updated resources available from the American Heart Association (AHA). The student will acquire and apply knowledge in stress management skills, nutrition and other mental health issues.

## Physical Education

The Physical Education curriculum focuses on creating physically literate students by providing them with a variety of activities to choose from. The goal of the Physical Education program is to help students develop awareness and appreciation of the mental, social, physical and emotional aspects of a healthy individual. The program in grades 7, 8 & 9 is a one semester course. Physical Education (10-12) is a three-quarter course for 3.75 credits. All Physical Education classes run on the A/B block schedule.

### **2734 - Physical Education 7**

Grade 7

The seventh-grade physical education program offers a variety of team, lifetime sports, and physical fitness activities. During each unit, there is an emphasis on teaching the fundamentals of each sport/activity, sportsmanship/teamwork, rules, and basic strategies. Physical fitness is also an integral part of the program and includes aerobic and anaerobic exercises. Physical education is taken every other day on an A/B block schedule for a semester. The other half of the year the students will take health. Developmental or adapted physical education is also available to students with special needs.

### **2728 - Physical Education 8**

Grade 8

The eighth-grade physical education program offers a variety of team, lifetime sports, and physical fitness activities. During each unit, there is an emphasis on teaching the fundamentals of each sport/activity, sportsmanship/teamwork, rules, and basic strategies. Physical fitness is also an integral part of the program and includes aerobic and anaerobic exercises. Physical education is taken every other day on an A/B block schedule for a semester. The other half of the year the students will take health. Developmental or adapted physical education is also available to students with special needs.

### **2726 - Physical Education 9**

Credits: 2.5

Ninth grade Physical Education is an elective program that allows students to select activities they may be interested in learning more about. Physical education is taken every other day on an A/B block schedule for a semester. Their curriculum includes team sports such as basketball, volleyball, and handball and individual sports include badminton, golf, and social dance. During each unit, there is an emphasis on the teaching of the fundamentals, rules, sportsmanship, and basic sports strategies. Fitness is also an emphasis and includes aerobic and anaerobic exercises as well as testing. Developmental or adaptive physical education is also available to students with special

needs.

### **1738 - Dance 10-12**

Grades 10-12 | Credits: 3.75

Dance is a full-year program that varies from ballet to pop. This course is scheduled as a separate component and receives the same graduation requirements as the physical education course. Physical fitness is also emphasized during dance classes, as well as skill components related to multiple different styles of dance.

### **1724 - Physical Education 10-12**

Grades 10-12 | Credits: 3.75

Physical education for grades 10-12 is an elective program that allows students to select classes that they may be interested in learning more about. The selections are divided into lifetime sports, team sports, and physical fitness units. The class is run on the A/B block schedule for the 3 quarters they are scheduled for Physical Education. The 4th quarter will be health. Lifetime sports incorporate a wide range of activities that students can use throughout life including teamwork, cooperation, and problem-solving. Instructional units include fundamental skills, tournament play, and motivating students to participate on their own to help develop lifelong fitness and wellness. Team sports emphasize the skills, strategy, and rules of the game. Intangibles such as teamwork, cooperation, and sportsmanship are promoted in all units taught. Physical fitness consists of individual programs, group activities, and physical fitness assessments. Another component of the physical education program is developmental/adaptive physical education. This course is focused on fine and gross motor skill development as well as fitness and socialization skills through various sports activities. This course is concentrated for students with special needs.

## Introduction to Mathematics Courses

The Mathematics Department offers sequences in academic, accelerated and honors/advanced placement mathematics that give students opportunities ranging from meeting the minimum three years of mathematics study and state graduation requirements to preparing for or participating in college-level mathematical study.

In grades seven through twelve, there is a broad range of courses. As required for graduation by the State of New Jersey, all students complete Algebra and Geometry and a third year of mathematics. Most students at East Brunswick High School choose to take Algebra II as their third year of mathematics. Over 96% of all seniors take a fourth year of mathematics as an elective. Sixty-five percent of seniors complete college level mathematics. For extremely well qualified students, there are opportunities at the high school level to take more than one math course in the same year, allowing interested students to complete five or six courses of mathematics, up through Honors Calculus III. Also available are AP Calculus AB, AP Calculus BC, and AP Statistics, as well as Honors Calculus I & II and Statistics H which are offered in conjunction with Middlesex County College (students must have met one of the State math graduation requirements in order to take MCC courses).

Students are strongly encouraged to enroll in a mathematics course in each year of their high school experience as a way of adequately preparing for the college placement as well as their future endeavors. Because of the sequential nature of mathematics offerings, many courses have prerequisites. In addition, some science courses have mathematics prerequisites. Students need to be aware of the prerequisites for each course and of the grade requirements for continuing in a course sequence. For those students (rising seniors) who do not score at the proficient level on state standardized tests or meet any of the other graduation requirements, a supplementary lab course (semester course) has to be taken in addition to their regular senior year math course at the high school.

*In general, a student needs to receive at least a C- (70%) in a given course to remain on that course track and at least an A- (90%) to be eligible to move up a level.*

### **Math Level Descriptions**

Please see page 64.

### **Doubling in Mathematics**

Students must meet grade requirements to be considered for doubling in mathematics. Students **MUST** meet the prerequisites for both courses to qualify. Meeting the grade requirement for each course individually doesn't mean that the student is eligible to double. Please consult the placement criteria to check eligibility.

**Summer Advancement in Mathematics**

Geometry with Trigonometry H is the only course available for summer advancement. Students who have successfully completed Algebra I H (with an overall course grade of B- or higher) or Algebra I (with an overall course grade of A- or higher) can apply for summer advancement in Geometry with Trigonometry H. Students should complete the [Summer Advancement Form](#) to apply. The students will need an overall grade of 90 in the summer advancement course to move to ALgebra II H.

## Mathematics Courses

### Churchill Junior High School Courses

#### Introduction to Courses at Churchill Junior High School

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In general, math placement will be determined based on a student's final course grade in their previous year math course. Starting in Grade 7, students could be placed into Math 7, Pre-Algebra, Pre-Algebra Honors, or Algebra I H based upon their final course grade in their sixth grade math course. Similarly in grades 8 and 9, student placement will be based upon their final math course grade in grade 7 and grade 8.

A grade of at least C- (70%) is required to stay on a given track, while a grade of at least A- (90%) is required to move into a new track sequence as specified in the placement matrix. Students are expected to purchase a TI-84 graphing calculator at the beginning of Algebra I as preparation for state standardized tests as well as for future math courses at both Churchill Junior High School and East Brunswick High School.

#### Grade 7 Math Courses

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**2178 - Math 7**

Grade 7 | Credits: 5 | Prerequisites will determine placement into course

This course will address 7th grade math standards using alternate teaching strategies and resources. Students will begin a more formal study of the skills necessary for success in Algebra and higher level mathematics courses. The course will explore proportional relationships, operations with rational numbers, expressions and linear equations, scale drawings, informal geometric constructions, as well as introduce students to statistical analysis. In addition, prerequisite math and problem-solving skills will be revisited and reinforced throughout the course.

**2165 - Pre-Algebra**

Grade 7 | Credits: 5 | Prerequisites will determine placement into course

This course will cover 7th grade math standards in preparation for a student taking Algebra I in Grade 8. Students will begin a more formal study of the skills necessary for success in Algebra and higher

level mathematics courses. The course will explore proportional relationships, operations with rational numbers, expressions and linear equations, scale drawings, informal geometric constructions, as well as introduce students to statistical analysis.

### **2164 - Pre Algebra Honors**

Grade 7 | Credits: 5 | Prerequisites will determine placement into course

This course will cover Pre-Algebra (7th grade math standards) at a more rigorous and advanced level in preparation for a student taking Algebra I Honors in Grade 8. Students will begin a more formal study of the skills necessary for success in Algebra and higher level mathematics courses. The course will explore proportional relationships, operations with rational numbers, expressions and linear equations, scale drawings, informal geometric constructions, as well as introduce students to statistical analysis.

### **2169 - Algebra I Honors**

Grade 7 | Credits: 5 | Prerequisites will determine placement into course

This course will cover Algebra I math standards at a rigorous and advanced level in preparation for a student taking Geometry w Trig Honors in Grade 8. This is a first course in elementary algebra, which uses inductive approaches to develop the basic algebraic operations. Topics studied include integers and operations, solving linear equations and inequalities, polynomials, graphing linear and non-linear functions, factoring, fractional equations, irrational numbers, data analysis and verbal/word problems. Problem solving will also be a major component of this course as will the infusion of graphing calculator lessons and activities. Students enrolled in this course must take the Algebra I NJSLA Assessment. Showing proficiency on the Algebra I NJSLA Assessment is currently a state graduation requirement.

## **Grade 8 and 9 Math Courses**

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### **2166 - Pre-Algebra**

Grade 8 | Credits: 5 | Prerequisites will determine placement into course

The mission of the Pre Algebra curriculum is for students to communicate, make connections, reason and represent the world quantitatively in order to pose and solve problems. At grade seven, students will begin a more formal study of the skills necessary for success in Algebra and higher level mathematics courses. Students will develop an understanding of and apply proportional relationships. Also, they will further their understanding of operations with rational numbers and work with expressions and linear equations. Students will solve problems involving scale drawings and informal geometric constructions of two dimensional and three dimensional figures. Students will build upon their understanding of statistics to draw inferences about populations based on samples.



**2176 - Algebra I**

Grade 8 | Credits: 5 | Prerequisites will determine placement into course

This course will cover Algebra I math standards as a continuation of the algebra preparation foundation begun in seventh grade. Topics studied include integers and operations, solving linear equations and inequalities, polynomials, graphing linear and non-linear functions, factoring, fractional equations, irrational numbers, data analysis and verbal/word problems. Problem solving will also be a major component of this course as will the infusion of graphing calculator lessons and activities. Students enrolled in this course must take the Algebra I NJSLA Assessment. Showing proficiency on the Algebra I NJSLA Assessment is currently a state graduation requirement.

Meets [NCAA Core Course Requirements](#)

**2170 - Algebra I Honors**

Grade 8 | Credits: 5 | Prerequisites will determine placement into course

This course, intended for the academically talented student in mathematics, uses inductive approaches to develop the basic algebraic operations. In addition to the topics covered in Algebra I, students will be expected to demonstrate independent thinking as they explore and solve in depth problems related to the applications of the covered topics. Problem solving will also be a major component of this course as will the infusion of graphing calculator lessons and activities. Students enrolled in this course must take the Algebra I NJSLA Assessment. Showing proficiency on the Algebra I NJSLA Assessment is currently a state graduation requirement.

Meets [NCAA Core Course Requirements](#)

**2171 - Algebra II Honors**

Grade 9 | Credits: 5 | Prerequisites will determine placement into course

This course is intended for the academically talented student in mathematics. In addition to the topics covered in Algebra II, students will be expected to demonstrate independent thinking as they explore and solve in depth problems related to the applications of the covered topics. Students enrolled in this course will be expected to purchase either a TI-83+ or TI-84 graphing calculator. These learning tools will be used throughout the course as a means of problem solving and investigation. Students enrolled in this course must take the Algebra II NJSLA Assessment. This course is also offered at EBHS (1162).

Meets [NCAA Core Course Requirements](#)

### **2172 - Geometry with Trigonometry**

Grade 9 | Credits: 5 | Prerequisites will determine placement into course

This course develops an understanding of geometry using basic properties, postulates and theorems in the study of triangles, quadrilaterals, and congruence. Other topics include similarity, circles, area, volume, coordinate geometry, transformational geometry, and an introduction to the trigonometric functions and their applications in the right triangle. Students enrolled in this course must take the Geometry NJSLA Assessment. This course is also available at EBHS (1159).

### **2173 - Geometry with Trigonometry Honors**

Grade 8 & 9 | Credits: 5 | Prerequisites will determine placement into course

This course, designed for the mathematically talented student, develops an understanding of more advanced geometric concepts, theorems and topics. In addition to the topics covered in Geometry with Trigonometry, students will be expected to demonstrate independent thinking as they explore and solve in depth problems related to the applications of the covered topics. Students enrolled in this course must take the Geometry NJSLA Assessment. This course is only offered at Churchill Junior High School.

Meets [NCAA Core Course Requirements](#)

## **East Brunswick High School Courses**

### **Introduction to courses at East Brunswick High School**

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In general, math placement will be determined based on a student's final course grade in their previous year's math course. In general, a grade of at least C- (70%) is required to stay on a given track, while a grade of at least A- (90%) is required to move into a new track sequence as specified in the placement matrix. Students are expected to purchase a TI-84 graphing calculator at the beginning of Algebra I as preparation for state standardized tests as well as for future math courses at both Churchill Junior High School and East Brunswick High School.

### **College Preparatory Courses**

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#### **1155 - Algebra I**

Grade 10 | Credits: 5 | Prerequisites will determine placement into course

This is a first course in elementary algebra, which uses inductive approaches to develop the basic algebraic operations. Topics studied include integers and operations, solving linear equations and

inequalities, polynomials, graphing linear and non-linear functions, factoring, fractional equations, irrational numbers, data analysis and verbal/word problems. Problem solving will also be a major component of this course as will the infusion of graphing calculator lessons and activities. Students enrolled in this course must take the Algebra I NJSLA Assessment. Showing proficiency on the Algebra I NJSLA Assessment is currently a state graduation requirement. This course is also available at CJHS (2176).

Meets [NCAA Core Course Requirements](#)

### **1159 - Geometry with Trigonometry**

Grade 10 & 11 | Credits: 5 | Prerequisites will determine placement into course

This course develops an understanding of geometry using basic properties, postulates and theorems in the study of triangles, quadrilaterals, and congruence. Other topics include similarity, circles, area, volume, coordinate geometry, transformational geometry, and an introduction to the trigonometric functions and their applications in the right triangle. Students enrolled in this course must take the Geometry NJSLA Assessment. This course is also available at CJHS (2172).

Meets [NCAA Core Course Requirements](#)

### **1167 - Algebra II**

Grade 10 & 11 | Credits: 5 | Prerequisites will determine placement into course

This course is a continuation and extension of the concepts studied in Algebra I and Geometry with Trigonometry. Topics include; extending linear and quadratic functions, polynomial functions, analysis of nonlinear functions, statistics and sequences and series. Students enrolled in this course will be expected to purchase either a TI-83+ or TI-84 graphing calculator. These learning tools will be used throughout the course as a means of problem solving and investigation. Students enrolled in this course must take the Algebra II NJSLA Assessment.

Meets [NCAA Core Course Requirements](#)

### **1160 - Algebra II ACC**

Grade 10 & 11 | Credits: 5 | Prerequisites will determine placement into course

This course is a continuation and extension of the concepts studied in Algebra I and Geometry with Trigonometry. Topics include; extending linear and quadratic functions, polynomial functions, analysis of nonlinear functions, statistics and sequences and series. In addition, this course will include advanced factoring applications, operations with rational expressions, and conic sections. Students enrolled in this course will be expected to purchase either a TI-83+ or TI-84 graphing calculator. These learning tools will be used throughout the course as a means of problem solving and investigation. Students enrolled in this course must take the Algebra II NJSLA Assessment. This course is also available at CJHS (2180).

Meets [NCAA Core Course Requirements](#)

### **1162 - Algebra II Honors**

Grade 10 | Credits: 5 | Prerequisites will determine placement into course

This course is intended for the academically talented student in mathematics. In addition to the topics covered in Algebra II, students will be expected to demonstrate independent thinking as they explore and solve in depth problems related to the applications of the covered topics. Students enrolled in this course will be expected to purchase either a TI-83+ or TI-84 graphing calculator. These learning tools will be used throughout the course as a means of problem solving and investigation. Students enrolled in this course must take the Algebra II NJSLA Assessment. This course is also available at CJHS (2171).

Meets [NCAA Core Course Requirements](#)

## **Advanced Courses**

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### **1158 - Pre-Calculus\***

*Formerly Advanced Algebra with Trigonometry*

Grade 11 & 12 | Credits: 5 | Prerequisites will determine placement into course

This course includes a review of essential skills from Algebra, introduces polynomial, rational, exponential and logarithmic functions, and gives the student an in-depth study of trigonometric functions and their applications. Problem solving and investigation through the use of the graphing calculator is an integral part of this course.

Meets [NCAA Core Course Requirements](#)

\*This course is pending approval.

### **1161 - Pre-Calculus ACC\***

*Formerly Pre-Calculus*

Grade 11 & 12 | Credits: 5 | Prerequisites will determine placement into course

This course gives the student the necessary background for the study of calculus by providing an extensive study of functions and their graphs. Polynomial, rational, exponential and logarithmic functions are addressed along with the trigonometric functions, trigonometric identities, trigonometric equations, and polar coordinates. Problem solving and investigation through the use of the graphing calculator is an integral part of this course. Note: This course is not available to students who have completed Advanced Algebra and Trigonometry.

Meets [NCAA Core Course Requirements](#)

\*This course is pending approval.

### **1163 - Pre-Calculus with Limits Honors**

Credits: 5 | Prerequisite: a minimum course grade of C- in Algebra II H OR a minimum course grade of A- in Algebra II ACC

This course is intended for the academically talented student and includes the study of polynomial, rational, exponential, logarithmic and trigonometric functions. In addition, topics from calculus (such as limits, continuity, and an introduction to the derivative) will also be introduced in this course as a precursor for Advanced Placement level Calculus. Problem solving and investigation through the use of the graphing calculator is an integral part of this course.

Meets [NCAA Core Course Requirements](#)

### **1169 - Fundamentals of College Mathematics**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course

This course is designed to provide the student with a strong command of the skills and concepts needed for success in entry-level college mathematics courses. The course presents the algebra of functions and trigonometry of the right angle. In addition, one of the primary goals of this course is to prepare the students for the expectations of a college placement test such as the Accuplacer.

Meets [NCAA Core Course Requirements](#)

## **College Pathways Dual Enrollment Program Courses**

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### **1180 - Statistics Honors**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course | [Dual-Credit Option](#)

This course will familiarize students with mathematical models that occur in more advanced courses and in professions through the use of exploratory data analysis and statistical methods. Topics include descriptive statistics, probability, regression, confidence intervals and an introduction to hypothesis testing. This course also affords students the opportunity to gain experience with college level material and expectations while still enrolled in high school. Please note that while credit is given for this course at the honors level, previous enrollment in honors level math courses is not a prerequisite for this course.

Meets [NCAA Core Course Requirements](#)

### **1168 - Calculus Honors**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course | [Dual-Credit Option](#)

This is a full year study of the Calculus of algebraic, trigonometric, exponential, and logarithmic functions. Topics include limits, differentiation and its applications, integration and the applications of the definite integral. This course also affords students the opportunity to gain experience with college level material and expectations while still enrolled in high school. Please note that while credit is given for this course at the honors level, previous enrollment in honors level math courses is not a prerequisite for this course.

Meets [NCAA Core Course Requirements](#)

### **1183 - Calculus II Honors**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course | [Dual-Credit Option](#)

Honors Calculus II will be offered in partnership with Middlesex County College as part of the College Pathways Dual Enrollment program and its rigor will be consistent with a second semester of college calculus. Honors Calculus II includes the study of transcendental and hyperbolic functions, applications of integration, more sophisticated techniques of integration, simple differential equations, parametric curves and vectors, indeterminate forms, Taylor's formula, infinite series as well as topics in analytic geometry. Please note that while credit is given for this course at the honors level, previous enrollment in honors level math courses is not a prerequisite for this course.

Meets [NCAA Core Course Requirements](#)

### **1182 - Calculus III Honors**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course | [Dual-Credit Option](#)

Honors Calculus III will be offered in partnership with Middlesex County College as part of the College Pathways Dual Enrollment program and its rigor will be consistent with a third semester of college calculus. This course will specifically address advanced topics in calculus. Students will explore the use of multivariable calculus to represent phenomena in three-dimensional space and to analyze functions of more than one variable.

Meets [NCAA Core Course Requirements](#)

## **Advanced Placement Courses**

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### **1164 - AP Calculus AB**

Grade 11 & 12 | Credits: 5 | Prerequisites will determine placement into course

This college-level course stresses elementary functions and analytic geometry as well as the concepts and applications of differential and integral calculus via the use of analytic methods and

technology. It prepares students for the AB Advanced Placement Examination as well as more advanced mathematical study at the college level. The use of technology is an integral part of this course as are advanced problem-solving strategies and methods.

Meets [NCAA Core Course Requirements](#)

### **1165 - AP Calculus BC**

Grade 11 | Credits: 5 | Prerequisites will determine placement into course

This is a college-level course, which is considerably more extensive and rigorous than the Calculus AB course. It prepares the student to take the BC Advanced Placement Examination as well as more advanced mathematical and scientific study at the college level. All the topics of the Calculus AB course are included, along with additional topics such as differential equations and sequences and series. The use of technology is an integral part of this course as are advanced problem-solving strategies and methods.

Meets [NCAA Core Course Requirements](#)

### **1166 - AP Statistics**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course

This course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The purpose of the course is to introduce the students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. Exploration and investigation are fostered via the use of technology tools and applications.

Meets [NCAA Core Course Requirements](#)

## **Supplementary Courses**

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These courses are taken in addition to the appropriate level math course and are required for those students who do not score at the proficient level on state standardized tests.

### **1157 - Algebra II LAB (Full Year)**

Grade 11 & 12 | Credits: 5 | Prerequisites will determine placement into course

This course is intended for students who require additional support in mathematics and is taken in conjunction with Algebra II. Students whose Algebra I and Geometry NJSLA scores were in the partially proficient ranges and/or who earned a final course grade of C or below in Algebra I and/or Geometry w/Trig are strongly encouraged to participate in this course. In addition to supporting the student's Algebra II experience, this course will also address problem solving and test taking strategies that are consistent with the expectations of state standardized tests.

### **1190 – Senior Math Lab (Semester Course)**

Credits: 2.5 | Placement based on graduation requirements

This Course is a required course for seniors that have not met graduation requirements through the standardized testing or alternate assessments. In this course the students will work on Portfolio assessments to meet their math graduation requirement in addition to taking Accuplacer and other alternate assessments that might help them meet their graduation requirement.

## **Mathematics Electives**

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### **1042 - SAT Preparation**

Grades 10-12 | Credits: 2.5

This semester elective course is designed to help students better prepare for both the verbal and math portions of the SAT exam. Students will utilize a combination of in-person and electronic approaches, to experience the format, requirements, and scoring of the exam. They will also learn various test-taking strategies for success on the SAT. The verbal portion of the course will focus on evidence-based reading and writing tasks, as well as the optional essay component. The math portion of this course is designed to teach students how to approach each type of problem. The semester will be divided in half where students will focus on either verbal or math for the first quarter and then switch to the other content for the second quarter. Ideal candidates for this course are motivated, self-directed learners who can independently complete and submit tasks.



## Math Level Descriptions

### COURSE LEVEL DESCRIPTIONS

#### Academic

The topics that are taught in academic levels are aligned to the state standards and are covered in both Accelerated and Honors courses.

- Teachers will spend time working to develop the following
  - Math skills and fluency
  - Critical thinking
  - Communicating Mathematically
  - Modeling
  - Analyzing data
- More time re-teaching prerequisite skills and concepts
- More time to review prior topics when they are tied into current topics

#### Accelerated

Accelerated courses include more enrichment opportunities and move at a faster pace than academic courses and cover additional topics

- More challenging math concepts are introduced
- Less assistance with:
  - Math Skills and fluency
  - Communicating Mathematically
  - Critical thinking
  - Modeling
  - Analyzing data
- Mathematics vocabulary used and required
- Less time reviewing prerequisite concepts
- Less time re-teaching when making connections between concepts

#### Honors

Honors courses include additional in-depth topics beyond the required standards and move at a more rigorous pace than accelerated in order to help prepare students for future honors and Advanced Placement courses.

- The following honors level and AP level math courses have a summer assignment that students are expected to complete prior to the start of the school year:

- Algebra I Honors
- Algebra II Honors
- Geometry W/Trigonometry Honors
- Pre-calculus Honors
- AP Calculus AB
- AP Calculus BC
- AP Statistics
- More open-ended problem solving involving
  - Multiple parts
  - More complicated data
  - More difficult critical thinking scenarios
  - Expectation to communicate mathematically
- Introduction of math concepts needed for AP courses or high school honors courses
- More independent learning skills expected
- Ability to self advocate
- Ability to make connections between concepts
- Minimal re-reaching when concept connections occur

## Introduction to Practical Arts Courses

Students are required to take a total of 15 credits in the Fine, Performing, and Practical Arts in grades 9 – 12. Five credits must be taken in the Fine Arts (visual, performing, or humanities) and five credits must be taken in the Practical Arts. The additional five credits can be taken in either of the above areas.

East Brunswick Graduation Requirements:

- 5 credits in the Fine Arts and 5 credits in the Practical Arts.
- 5 additional credits needed in either the Practical Arts or the Fine Arts.
- A total of 15 credits in grades 9 – 12
- Financial Literacy (2.5 Credits)

Areas that meet the Practical Arts requirement are all courses in:

- Business Education
- Engineering
- Computer Science
- Cooperative Education
- Family and Consumer Sciences
- Technology Education

Courses with dual numbers may be taken at Churchill Junior High School or the high school keeping in mind prerequisites. See detailed course descriptions following this outline. 2000 numbered sequences are taught at Churchill Junior High School. 1000 numbered sequences are taught at the high school.

<b>Business Education Courses</b>		
Number	Credits	Course Name
2401	2.5	Computer Keyboarding Applications (Grades 7-9)
2405/1412	2.5	Financial Literacy (Grades 9-12) Online option available
2406/1401	2.5	Introduction to Business (Grades 9-12)

1402	2.5	Introduction to Marketing (Grades 10-12)
1410	2.5	Sports and Entertainment Marketing (Grades 10-12)
1405	2.5	Marketing Capstone Honors - Hybrid Course (Grade 12 only)
2404/1404	2.5	Accounting I (Grades 9-12)
1407	2.5	Accounting II (Prerequisite: Accounting I)
1411	5.0	Accounting 101H (Grades 11-12) Optional 4 college credits
1408	2.5	Business and Consumer Law (Grades 10-12)
1409	2.5	Entrepreneurship (Grades 10-12)
1419	2.5	International Business and Politics - Honors (Grades 10-12)

**Computer Studies Courses**

Number	Credits	Course Name
2463	2.5	Computational Thinking (7th Grade Only)
2462	2.5	Computer Literacy 7/8 (Must be completed by the end of 8th grade)
2464/1450	2.5	Introduction to Computer Science (Prerequisite: Science, Algebra I and Geometry) (Grades 10-12) Optional 3 college credits
1454	5.0	AP Computer Science A (Prerequisites: Introduction to Computer Science, Algebra I and Geometry) (Grades 10-12) Optional 3 college credits
1455	5.0	AP Computer Science Principles (Prerequisites: Introduction to Computer Science, Algebra I and Geometry) (Grades 10-12) Optional 3 college credits
1341	2.5	Game Design (Grades 10-12)

1456	2.5	Principles of Cybersecurity Honors (Grades 10-12)
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### Cooperative Education Courses

Number	Credits	Course Name
1431	7.5	Cooperative Trade/Office - Fall (Grades 11-12)
1432	7.5	Cooperative Trade/Office - Spring (Grades 11-12)

### Family and Consumer Sciences Courses

Number	Credits	Course Name
2360	2.5	Creative Living I (Grades 8-9)
2361	2.5	Creative Living II (Grades 8-9, Prerequisite: Creative Living I)
2364	2.5	Sew Much More! (Grades 8-9, Sewing machine experience strongly recommended)
2362	2.5	Culinary Essentials (Grades 8-9, Co-Prerequisite Creative Living I)
1351	2.5	Culinary Arts I (Grades 10-12)
1352	2.5	Culinary Arts II (Grades 10-12, Prerequisite: Culinary Arts I)
1358	2.5	Culinary Arts III Honors (Grades 10-12, Prerequisite: Culinary Arts II)
2363/1356	2.5	Food Science and Nutrition (Grades 10-12)
1361	2.5	Convenient Cuisine (Grades 10-12)
1354	2.5	Human Growth and Development (Grades 10-12)

1362	2.5	Food for Fitness (Grades 10-12)
1422	2.5	Fashion I (Grades 10-12)
1423	2.5	Fashion II (Grades 10-12)
1424	2.5	Fashion III (Grades 11-12)
1355	10.0	<u>Preschool Education Honors</u> (Grades 11-12, Teaching Laboratory)
1357	5.0	<u>Teaching Practicum</u> Honors -- Teacher Cadets (Grades 11-12)

### Engineering and Technology Education Courses

Number	Credits	Course Name
2341	2.5	Introduction to Woodworking & Design (Grades 8 & 9)
2348	2.5	Graphic Communications (Grades 8 & 9)
2340	2.5	STEM I (Grades 8 & 9)
2342	2.5	STEM II (Grades 8 & 9 -- Prerequisite: STEM I)
2300	2.5	Fundamentals of Engineering (Grades 8-9)
2301/1302	2.5	Mechanical Engineering I (Grades 8-12)
1307	2.5	Mechanical Engineering II (Prerequisite: Mechanical Engineering I)
1301	2.5	Electronics Engineering I (Grades 10-12)
1303	2.5	Electronics Engineering II (Prerequisite: Electronics Engineering I)
1305	5.0	Engineering Capstone H (Prerequisite: See chart on the course page)
1308	2.5	Architectural Design Technology (Grades 10-12)

1315	2.5	Graphic Arts/Silk Screen Printing (Grades 10-12)
1316	2.5	Computer Graphics I (Grades 10-12)
1317	2.5	Computer Graphics II (Prerequisite: Computer Graphics I)
1340	2.5	Digital Composition & Illustration (Grades 10-12)
1251	2.5	Introduction to Photography (Grades 10-12)
1252	2.5	Photography Workshop (Prerequisite: Introduction to Photography)
1347	2.5	Video Production I (Grades 10-12)
1349	2.5	Video Production II (Prerequisite: Video Production I)
1304	2.5	Video Production Workshop (Prerequisite: Video Production II, students may take this course multiple times)
1306	2.5	Logo Design & Branding (Grades 10-12)
1341	2.5	Game Design (Grades 10-12)
1346	2.5	Product & Package Design (Grades 10-12)

## Business Education Courses

The field of business is for individuals looking for an exciting career—one that offers excellent salaries, pleasant working conditions and many opportunities for advancement. The Business Education program is designed to meet the needs of three groups of students—those interested in immediate business careers, those planning to pursue business training in college or business school and those interested in taking business subjects for personal use.

### Churchill Junior High School Courses

#### **2404 - Accounting I**

Grade 9 | Credits: 2.5

The field of accounting is for individuals looking for an exciting career; one that offers high earning potential, travel throughout the USA and abroad, and the opportunity to advance in many careers. Accounting I will introduce students to the accounting cycle, which will serve as a sound background for employment in both the private sector and government entities, owning your own business, and preparation for studying business/commerce courses at college and ultimately in graduate school. Students will be introduced to the computerized accounting cycle stressing general ledger skills needed for producing financial statements for both a single proprietorship and a partnership. This course is also available at EBHS (1404).

#### **2406 - Introduction to Business**

Grade 9 | Credits: 2.5

Introduction to Business is a half-year course designed to introduce the student to the environment of business today. Students will examine the world of business and how it can and does affect their lives. Ethical and social responsibility issues will be discussed, as well as the increasing importance of international (global) business. The course is designed to be an introduction to the business electives offered at the high school level. It incorporates marketing, accounting, economics, business ownership/entrepreneurship, management/organization, human resources, finance, investment, and legal aspects of the business environment. This course is also offered at EBHS (1401).

#### **2405 - Financial Literacy**

Grade 9 | Credits: 2.5 | Graduation requirement; This course is offered as an online course – See your counselor for details.

Every student needs to master their finances now, and for the rest of their lives. Our Financial Literacy course addresses the need for all students to know how to earn, save, and manage their money. Through engaging, student-centered activities and projects that require 21st-century skills, our students will master career exploration, money management, credit, saving and investing skills. They will also dive into the world of informed purchasing, civic financial responsibility and risk management.



Our Online Financial Literacy course was developed by East Brunswick Teachers and is taught by East Brunswick Teachers. The course covers the same core concepts as the traditional class and the class is taught exclusively online. This class is perfect for highly motivated students who like to work independently and possess strong time management and written communication skills. The assignments and projects are continuously being updated to enhance the online environment. Students enrolled in Online Financial Literacy will be able to take an additional 2.5 credit during the year. This course is also available at EBHS (1412).

## East Brunswick High School Courses

### **1404 - Accounting I**

Grades 10-12 | Credits: 2.5

The field of accounting is for individuals looking for an exciting career; one that offers high earning potential, travel throughout the USA and abroad, and the opportunity to advance in many careers. Accounting I will introduce students to the accounting cycle, which will serve as a sound background for employment in both the private sector and government entities, owning your own business, and preparation for studying business/commerce courses at college and ultimately in graduate school. Students will be introduced to the computerized accounting cycle stressing general ledger skills needed for producing financial statements for both a single proprietorship and a partnership. This course is also offered at CJHS (2404).

### **1407 - Accounting II**

Grades 10-12 | Credits: 2.5 | Prerequisite: Accounting I

Accounting II focuses on a business organization established as a partnership. Students study the accounting cycle as it pertains to small business opportunities. They work in a fully computerized laboratory to enhance their knowledge of payroll, financial statements, and merchandising, business and accounting. A real life business simulation is used to enhance student understanding of merchandising. This course provides an excellent background for college-bound students who plan to major in accounting or other business fields.

### **1411 - Accounting 101 H (Financial Accounting)**

Grades 11-12 | Credits: 5 | [Dual-Credit Option](#)

This accounting course is a full-year college-level course designed for juniors and seniors wishing to further their study in an accounting environment. Students planning a career in business, planning on getting an MBA, and owning and operating a business, would do well to take this college-level course. The course covers the accounting cycle from the recording and analyzing of procedures through the summarizing procedures and preparation of general-purpose financial statements. An introduction to accounting for corporations is also presented with emphasis on the capital structure of the corporation. Accounting I & Accounting II are NOT prerequisites for Accounting 101.

### **1401 - Introduction to Business**

Grades 10-12 | Credits: 2.5

Introduction to Business is a half-year course designed to introduce the student to the environment of business today. Students will examine the world of business and how it can and does affect their lives. Ethical and social responsibility issues will be discussed, as well as the increasing importance of international (global) business. The course is designed to be an introduction to the business electives offered at the high school level. It incorporates marketing, accounting, economics, business ownership/entrepreneurship, management/organization, human resources, finance, investment, and legal aspects of the business environment. This course is also available at CJHS (2406).

### **1402 - Introduction to Marketing**

Grades 10-12 | Credits: 2.5

Intro to Marketing is a half-year course designed to provide the student with a background in the functions and principles of marketing. Intro to Marketing seeks to expose students to media methods of research, and evaluations that are used to sell a product, service, or business. Hands-on experience is given in copywriting, layout, and production in various media. This course meets the New Jersey mandate of a 21st Century Career requirement for all high school students. This class enables students to apply skills to a variety of activities centered on the 7 Functions of Marketing: management, finance, personal selling, promotion, distribution, pricing, and product. Students will develop assignments and projects that authentically assess learned skills. Students will acquire a strong foundation on how businesses use effective marketing strategies in the business world. This course is also offered at CJHS (2407).

### **1410 - Sports and Entertainment Marketing**

Grades 10-12 | Credits: 2.5

Welcome to the world of sports and entertainment marketing; an area of the economy in the USA, which is extremely interesting, lucrative and important to many. There are literally billions of dollars spent each year in this industry dealing with sports figures, teams, apparel licensing, broadcasting, and advertising of common household products. This course is geared to students with an interest in this area for possible career paths or for the student who just wants a background in marketing for personal use. The course will cover areas such as public relations, event and stadium management, labor relations, advertising, and looking at sponsorship agreements with professional athletes. A field trip to a newer stadium or arena will be offered to show students the revenue potential of a stadium or arena.

### **1405 - Marketing Capstone H (Hybrid Course)**

Grade 12 | Credits: 2.5

Prerequisite: Either Sports & Entertainment Marketing, Introduction to Marketing, or Entrepreneurship (Must earn at least an A-)

Senior students will be completing advanced marketing projects in specialized areas of Marketing.

Students will study the marketing processes used by local businesses (in person) to market their products and services as well as assist local businesses in the marketing of their business. Students will create marketing plans and presentations for real and pseudo organizations and provide them with real marketing scenarios. This class does not meet every day, this is a hybrid course that is facilitated by an East Brunswick Business Teacher. When classes do not meet in person independent assignments will be provided as well as fieldwork with local businesses.

**Prerequisite to Marketing Capstone:** B or higher in Intro to Marketing or Sports & Entertainment Marketing.

### **1408 - Business and Consumer Law**

Grades 10-12 | Credits: 2.5

In Business and Consumer Law, students will learn about the basic issues of our legal system that relate to everyday living. Topics explored include how to buy and insure a vehicle, warranty protection, personal property law, and bailments. Students will learn what business and consumer law is and how it applies to them. The students will investigate current law cases and terminology, as well as have the opportunity to research legal issues on the Internet. Information learned in this semester-long course will prove useful to students as they move through life as consumers.

### **1409 - Entrepreneurship**

Grades 10-12 | Credits: 2.5

In Entrepreneurship, students will learn what is involved to start and operate a successful business. Students will discuss current events as they relate to the ideas and concepts of starting their own business. This is a hands-on, activity-based course in which students formulate a business plan and learn how new businesses are created. Throughout this course, we will study and analyze what leads to the success and failure of various business ventures.

### **1419 - International Business and Politics – H**

Grades 10-12 | Credits: 2.5

This course is offered for students who are interested in global economics and international trade. Discussions include current events in domestic and international politics on a daily basis. Among the topics covered are global trade/import, political and cultural influences on the business climate, trading blocs, trade agreements, intellectual property. Energy topics will be delivered through an exciting weeklong energy summit. Foreign currency exchange, along with global giants such as the WTO, IMF will be analyzed. Computer research assists students in solving problems and simulations associated with the complex world of global trade and economic interdependence.

Meets [NCAA Core Course Requirements](#)

### **1412 - Financial Literacy**

Grades 10-12 | Credits: 2.5 | Graduation requirement; This course is offered as an online course – See your counselor for details.

Every student needs to master their finances now, and for the rest of their lives. Our Financial Literacy course addresses the need for all students to know how to earn, save, and manage their money. Through engaging, student-centered activities and projects that require 21st-century skills, our students will master career exploration, money management, credit, saving and investing skills. They will also dive into the world of informed purchasing, civic financial responsibility and risk management.

Our Online Financial Literacy course was developed by East Brunswick Teachers and is taught by East Brunswick Teachers. The course covers the same core concepts as the traditional class and the class is taught exclusively online. This class is perfect for highly motivated students who like to work independently and possess strong time management and written communication skills. The assignments and projects are continuously being updated to enhance the online environment. Students enrolled in Online Financial Literacy will be able to take an additional 2.5 credit during the year. This course is also available at CJHS (2405).

## Computer Science and Literacy Courses

### Churchill Junior High School Courses

#### **2463 - Computational Thinking**

Computational Thinking is an introductory-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems work, explore their potential impacts and contribute to a computing culture that is collaborative and ethical.

#### **2401 - Computer Keyboarding Applications**

Grades 8-9 | Credits: 2.5

This course offers instruction in keyboarding for college (great for producing research papers), general or personal use and provides the foundation for future use of computers. Areas of instruction include mastery of the keyboard, knowledge of storage devices, correct keyboarding techniques, the arrangement of business and personal letters, outlining, tables, and setting up records.

#### **2462 - Computer Literacy 8**

Grade 8 Required | Credits: 2.5

As engaged digital learners, students are able to acquire and apply content knowledge and skills through active exploration, interaction, and collaboration with others across the globe, challenging them to design the future. The Computer Literacy course, required for all eighth-grade students, provides hands-on laboratory experience; through the use of modern operating systems and software applications.

#### **2464 - Introduction to Computer Science**

Grade 9 | Credits: 2.5 | Prerequisite: Passed Algebra 1

This is a Java programming intensive course. The Introduction to Computer Science course is a one-semester, introductory programming course and lays the foundation for future work in computer science. Students taking the course are required to have taken a prerequisite math course of at least Algebra I A. The course focuses on using a programming language to solve problems. Students will be introduced to an object-oriented programming language. They will design and develop programs to be run and tested on the computer. The course introduces students to interactive input and output methods, file input and output, control structures for selection and iteration, assignment statements, math operators. Students are also introduced to Java data types including basic primitive types (int, long, double, char, Boolean) as well as standard classes (string, math, etc.). Students are required to

take tests and write between 30 and 50 independent programming assignments in the semester. This course is also available at EBHS (1450).

## East Brunswick High School Courses

### **1341 - Game Design**

Grade 10-12 | Credits: 2.5

This course will provide a practical introduction to game design and game design concepts, emphasizing the basic tools of game design: paper and digital prototyping, design iteration, and user testing. This course will allow students to spend the quarter learning how to create a basic video game or game content. Students who have an interest in video game design but do not know where to begin should consider taking this course. At the most basic level, students may use 2D game creation software such as Game Maker to look into the mechanics of gaming and the code behind it. There is also the opportunity to explore further and collaborate in groups to create a more advanced game using a game-engine and animation software.

### **1450 - Introduction to Computer Science**

Grades 10-12 | Credits: 2.5 | Prerequisite: Passed Algebra I | [Dual-Credit Option](#)

This is a Java programming intensive course. The Introduction to Computer Science course is a one-semester, introductory programming course and lays the foundation for future work in computer science. Students taking the course are required to have taken a prerequisite math course of at least Algebra I A. The course focuses on using a programming language to solve problems. Students will be introduced to an object-oriented programming language. They will design and develop programs to be run and tested on the computer. The course introduces students to interactive input and output methods, file input and output, control structures for selection and iteration, assignment statements, and math operators. Students are also introduced to Java data types including basic primitive types (int, long, double, char, Boolean) as well as standard classes (string, math, etc.). Students are required to take tests and write between 30 and 50 independent programming assignments in the semester.

### **1454 - AP Computer Science - A**

Grades 10-12 | Credits: 5 | Prerequisites: A grade of A or better in Introduction to Computer Science, Co-requisite: Algebra II | [Dual-Credit Option](#)

[If you do not meet the prerequisite and you want to take APCS, please click HERE.](#)

[Introduction to Computer Science Topics, click HERE.](#)

This full-year course is designed to prepare students to take the AP Computer Science exam. Students build on their understanding of computer science through the use of the Java language, used in many higher education institutions. The study of object-oriented program design and algorithms is a major emphasis. Topics include strings, vectors, classes and the AP exam format.



### **1455 - AP Computer Science - Principles**

Grade 10-12 | Credits: 5 | Prerequisite: A grade of A- or better in Introduction to Computer Science - OR - Instructor approval | [Dual-Credit Option](#)

[If you do not meet the prerequisite and you want to take APCS, please click HERE.](#)

[Introduction to Computer Science Topics, click HERE.](#)

AP Computer Science Principles is a course that will introduce students to the big ideas of computer science, and how computers will change our lives. Instead of teaching specific applications, students will have to use all aspects of computer science to solve large-scale problems affecting society. The course focuses on three important ideas: 1) Creativity in solving problems, 2) A means to solve technological problems using large amounts of data, and 3) Internet and societal citizenry. While programming skills are expected, knowledge of programming is only required for solving the task at hand. Grading will be based on collaborative as well as individual portfolio assessments. Students who complete this course will be prepared to take the AP Computer Science Principles exam.

### **1456 - Principles of Cybersecurity Honors**

Grade 10-12 | Credits: 2.5

Principles of Cybersecurity will provide learners with principles of data and technology that frame and define cybersecurity. Learners will gain insight into the importance of cybersecurity and the integral role of cybersecurity professionals. The interactive, self-guided format will provide a dynamic learning experience where users can explore foundational cybersecurity principles, security architecture, risk management, attacks, incidents, and emerging IT and IS technologies.



## Cooperative Education Courses

Students interested in gaining work experience will find the following courses at the high school level a vital key to the world of work. Students are given the opportunity to have job interviews, gain employment, earn money and, most importantly, gain first-hand knowledge of the business world. Employment while attending school is a great asset to any transcript. In this program, students attend school part of the day (a minimum of 5 periods) and work for standard wages during the afternoon, evening and weekend hours. The work experience, which allows students to leave school to go to work, is counted toward partial fulfillment of their high school graduation requirements and gives them the opportunity to “earn as they learn.”

Due to school closures, no application is necessary. Please contact your counselor if you would like to request COOP for next year.

Four Steps to Getting into Co-op:

- Pick up an application. A school counselor can assist you at this beginning step.
- Fill out the application and submit it to your school counselor.
- Your guidance counselor will inform you if Cooperative Education can fit into your schedule based on availability and acceptance.
- The Co-op Coordinator will call you over the summer, prior to the school year, to begin the search for a job suitable for the program.

### **1431-1432 - Cooperative Education**

Grade 10-12 | Credits: 7.5 Per Semester

This program (course) is geared towards students interested in gaining employment within an office setting, retail setting, in trades, or an industrial occupation that does not require prerequisite certifications. Students spend a half-day in school and a half-day on actual on-the-job work experience. Students earn while they learn and, at the same time, prepare for the future either attending college or within the world of work.

## Engineering and Technology Education Courses

The primary purpose of the Technology/Engineering Education program is to prepare students to live and work in the 21st century. The courses listed below have been created to help educate all students, male and female, about career and higher education opportunities in the fields of mechanical engineering, electronic engineering, communications, and manufacturing technologies. The various programs provide practical experiences and a broad range of problem-solving activities that promote 21st-century skills and prepare our students for the next level.

### Suggested Engineering Program Sequences

See the instructor for more details.

Engineering Capstone H	
Mechanical Engineering II	Electronics Engineering II
Mechanical Engineering I AND Electronics Engineering I	Electronics Engineering I AND Mechanical Engineering I
Fundamentals of Engineering	Fundamentals of Engineering

## Churchill Junior High School Courses

### Engineering

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The Engineering Education sequence provides students with an inside look at areas of mechanical engineering, industrial design, shop processes, technical drawing, architectural and computer-assisted design. It also helps students to understand how products are developed from concept through production.

#### **2340 - STEM I**

Grades 8-9 | Credits: 2.5

Are you interested in a fun, practical, hands-on course dealing with the technologies found in our world today? This course is designed to appeal to both males and females and will allow them to design and create solutions to various problems. This course will introduce students to the process of critical thinking as it relates to the technologies of today and will emphasize the application of knowledge, tools, and skills to solve practical problems. Students will be responsible for properly using the design loop to solve problems they encounter and, through this process, they will have a

better understanding of how materials, manufacturing, design, electronic communications, robotics, and transportation systems take their place in our world. A strong emphasis will be placed on group dynamics and cooperation in problem-solving and will require the students to critically evaluate a problem they might find in today's society and, by working with each other, find an acceptable solution.

## **2342 - STEM II**

Grades 8-9 | Credits: 2.5 | Prerequisite: STEM I

This course is designed to extend each student's ability to problem-solve, and each unit of study explores current advancements in STEM-related fields. Students will be responsible for using the design loop to solve problems they encounter; and through this process, they will have the ability to critically evaluate a problem they might find in today's society and by working with others, find an acceptable solution. We are a project-based classroom and students must be comfortable with working independently and in groups to complete in-class activities and projects.

## **2300 - Fundamentals of Engineering**

Grades 8-9 | Credits: 2.5

Fundamentals of Engineering is the introductory course in our series of engineering courses. This course is an introduction to the basics of graphic language. Communicating through technical drawings and sketches generated on the computer (CAD) is essential to many careers in business and industry. The areas of study covered include the use of freehand, mechanical, and computerized (CAD) instruments in developing drawings. Through the use of TLA's (Technology Learning Activities), the students will learn problem-solving and design techniques. The TLA's will include the use of the design loop, computers, and hands-on work.

## **2301 - Mechanical Engineering I**

Grades 8-9 | Credits: 2.5 | Prerequisite: Fundamentals of Engineering (This prerequisite only applies to CJHS students)

Through the use of Technology Learning Activities (TLA's), the students will learn problem-solving and design techniques. The problems will include the use of the design loop, computers, and hands-on activities where students will identify a problem, produce a solution, and test the solution. Students will be given the opportunity to develop and construct a project in collaboration with electrical engineering students. This course is an introduction to the basics of graphic language.

Communicating through drawings and sketches generated on the computer is essential to many careers in business and industry. The areas of study covered include freehand, mechanical, and computerized instruments in developing drawings. One, two, and three-view drawings are used to explain designs graphically. This course is also offered at EBHS (1302).

## **2341 - Introduction to Woodworking**

Grades 8-9 | Credits: 2.5

At some point in your life, you will own your own condo, apartment, or home. The skills you will learn from this course will provide you with the basics you will need to make common repairs or alterations to make it more comfortable. These skills may also help save you money normally spent on outside contractors. This course provides an overview of the various systems, materials, tools, and equipment used in manufacturing wood products found in the common home. Students have the opportunity to construct finely crafted projects that they are proud to display. Instruction includes information about the new technologies being used in the design, construction, and assembly of their projects as well as how to read and work from blueprints, estimate costs, utilize hand and power tools, and various wood finishes.

## **Communications Technology**

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Electronic printing and desktop publishing make affordable professional systems available for the average person. A personal computer is a powerful tool, which may be used to generate sales and inventory records, business communications through word processing, and design through computer-assisted drafting. It also provides immense possibilities for the average business in areas of interoffice correspondence, advertising, logo design, layout, and production. Students proficient in these skills are in high demand in the job market.

## **2348 - Graphic Communications**

Grades 8-9 | Credits: 2.5

This course provides hands-on experience in real-world applications in the communications field. Students will learn about the ways communication has changed over the years and they will complete projects in the areas of technical writing, graphic communication, desktop publishing, and technical design. Students will work in a collaborative setting to create a new company, design a logo, business card, and letterhead, and create advertisements as well as an advertising campaign. In addition to the company project, students will be designing their own t-shirts, vinyl decals, and notepads. Through various projects, students will use computer applications including Illustrator and In Design.

## **2350 - Media Production Lab\***

Grade 7 | Credits:

In Media Production Lab, students will learn about creating, recording, and editing multiple forms of media that have become an ever-growing part of our everyday lives. Covering Photography, Video Production, Audio Recording, and editing, this class will introduce and immerse students in multiple forms of media and what goes into creating what they experience daily. The class will consist of multiple unit projects that cover a combination of the artistic and technical aspects of media production. Each student will walk away with creations that they will have collaborated on and can

share over various platforms.

\*This course is pending and available to 7th Grade Only.

## East Brunswick High School Courses

### Mechanical Engineering

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The Engineering Education sequence provides students with an inside look at areas of mechanical engineering, industrial design, shop processes, technical drawing, architectural and computer-assisted design. It also helps students to understand how products are developed from concept through production.

#### **1302 - Mechanical Engineering I**

Grades 10-12 | Credits: 2.5

Through the use of Technology Learning Activities (TLA's), the students will learn problem-solving and design techniques. The problems will include the use of the design loop, computers, and hands-on activities where students will identify a problem, produce a solution, and test the solution. Students will be given the opportunity to develop and construct a project in collaboration with electrical engineering students. This course is an introduction to the basics of graphic language.

Communicating through drawings and sketches generated on the computer is essential to many careers in business and industry. The areas of study covered include freehand, mechanical, and computerized instruments in developing drawings. One, two, and three-view drawings are used to explain designs graphically.

#### **1307 - Mechanical Engineering II**

Grades 10-12 | Credits: 2.5 | Prerequisite: Mechanical Engineering I

In this more advanced course, students continue to utilize industry-standard technologies to engineer solutions to real-world problems. The main topics of study are advanced Computer Aided Drafting (CAD) techniques, understanding dimensioning techniques, sections, pictorials and auxiliary views, revolutions, and assembly of parts. Other areas of study are types of motion, simple machines, fastening techniques, and problem-solving. The course culminates in a collaborative project where the Mechanical Engineering and Electronics Engineering students work together to engineer a solution to a real-world problem. The skills, both soft skills and hard skills, learned in Mechanical Engineering II will prepare students for college and careers.

### **1305 - Engineering Capstone Honors**

Grades 10-12 | Credits: 5-5 | Prerequisite: See chart above

Engineering Capstone Honors is our highest-level pre-engineering course offered for those students who want to tackle a real-world engineering challenge. Students in this course will work in a team to develop a large-scale engineering project using the skills taught in the prerequisite lower-level courses. Potential projects could involve the exploration of augmented reality, autonomous vehicles, remotely operated underwater/in air vehicles, national engineering competitions, or any other student inspired topic. Projects will be selected prior to enrollment by collaboration with the instructor. As what happens in the professional environment, students will be expected to be part of an engineering team that may include experts in the profession to complete the project they have developed.

### **1308 - Architectural Design Technology**

Grades 10-12 | Credits: 2.5

This course provides students with the experience of designing/renovating their own homes. Using state-of-the-art software, students may digitize their present homes and prepare sketches/drawings to change the look, color, roof design, landscaping, etc. Students do research on numerous rooms, styles of architecture, and various structures around the world. Emphasis is on planning construction, room design, cost analysis, planned unit development, small home design, and solar energy. Each student develops a set of plans consisting of a plot plan, floor plan, elevations, and a perspective drawing of a vacation home.

## **Electronics Engineering**

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The electronics industry today may be characterized as one of fast growth and constant change. As computers, network systems, and the World Wide Web have proliferated and changed the way we live, the idea of knowing how these systems work become very important. The courses offered in this area begin to build a foundation for which further study in systems and information technology is based.

### **1301 - Electronics Engineering I**

Grades 10-12 | Credits: 2.5

This course is designed for students who want an introduction to electronics in preparation for further study in electrical engineering, college engineering, or technical school programs. Learn how to build, analyze, and troubleshoot circuits using common tools and components. The course concludes with collaborating with mechanical engineering students on a capstone project such as a simple toy or game, accessory, display or art project, or another practical device.

### **1303 - Electronics Engineering II**

Grades 10-12 | Credits: 2.5 | Prerequisite: Electronics Engineering I

Electronics Engineering II uses the knowledge and skills gained in Electronics Engineering I; Electronics Engineering II incorporates the power of microcontrollers into the equation. Students spend the first quarter exploring the capabilities of what microcontrollers can do and programming them to react to sensors, motors, displays, etc. The course concludes with another collaborative project more elaborate and functional than the first.

### **1305 - Engineering Capstone Honors**

Engineering Capstone Honors is our highest-level pre-engineering course offered for those students who want to tackle a real-world engineering challenge. Students in this course will work in a team to develop a large-scale engineering project using the skills taught in the prerequisite lower-level courses. Potential projects could involve the exploration of augmented reality, autonomous vehicles, remotely operated underwater/in air vehicles, national engineering competitions, or any other student-inspired topic. Projects will be selected prior to enrollment by collaboration with the instructor. As what happens in the professional environment, students will be expected to be part of an engineering team that may include experts in the profession to complete the project they have developed.

### **1341 - Game Design**

Grades 10-12 | Credits: 2.5

This course will provide a practical introduction to game design and game design concepts, emphasizing the basic tools of game design: paper and digital prototyping, design iteration, and user testing. This course will allow students to spend the quarter learning how to create a basic video game or game content. Students who have an interest in video game design but do not know where to begin should consider taking this course. At the most basic level, students may use 2D game creation software such as Game Maker to look into the mechanics of gaming and the code behind it. There is also the opportunity to explore further and collaborate in groups to create a more advanced game using a game engine and animation software.

## **Graphic Communication**

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Electronic printing and desktop publishing make affordable professional systems available for the average person. A personal computer is a powerful tool, which may be used to generate sales and inventory records, business communications through word processing and design through computer-assisted drafting. It also provides immense possibilities for the average business in areas of interoffice correspondence, advertising, logo design, layout, and production. Students proficient in these skills are in high demand in the job market.

### **1316 - Computer Graphics I**

Grades 10-12 | Credits: 2.5

Students are introduced to the basic technology of electronic printing and computer graphics. They learn about materials and methodologies used in electronic and desktop publishing. The equipment available includes a network of the newest and fastest Macintosh computers and a 4-color laser printer. Students design and produce a variety of Adobe Photoshop Creative Cloud activities utilizing industry-standard software. Projects include invisible man, postcard text, text and image effects, and custom booklet design.

### **1317 - Computer Graphics II**

Grades 10-12 | Credits: 2.5 | Prerequisite: Computer Graphics I

In this advanced course, there is a greater emphasis on production work in which the skills learned from the previous course are integrated into more complex Photoshop Creative Cloud activities. Projects include duotones, photomontage, low-poly artwork, and photo mosaics. Students may produce material for personal use as well as internal school printing projects. A great emphasis is placed on individual skills where students can design, layout, and produce one-of-a-kind projects for personal portfolios.

### **1306 - Logo Design & Branding**

Grades 10-12 | Credits: 2.5

Logo Design & Branding will explore the core concepts of the design process as it relates to the real world of graphic design careers. Students explore concepts like Typography, Color Theory, Movement, General Aesthetics, and Package Design. The course will delve into the Designer / Client relationship through interviews, research, and collaboration with other students and classes, culminating in a comprehensive, custom Design Brief for their “client”. Students will utilize the Adobe Creative Suite to execute their design ideas, including InDesign, Illustrator, and Photoshop.

### **1340 - Digital Composition & Illustration**

Grades 10-12 | Credits: 2.5

This course will provide students with hands-on experiences in the digital arts through graphic design industry-standard software (Adobe Illustrator & Adobe InDesign). Students will explore various toolsets to complete a wide range of creative and unique documents and vector drawings. No previous graphic design skills are necessary. Even just a limited amount of instruction, combined with some imagination, will yield professional results with a personal touch. The course introduces new areas that will be helpful in future course selection and will add to the student’s overall educational



experience.

### **1311 - Product and Package Development**

Grades 10-12 | Credits: 2.5

This course focuses on conceptually based 3-D package design and product graphics within the realm of identity and branding systems as it relates to career paths in graphic design. Projects employ alternative materials and formats. Students develop packaging from initial concept to production and presentation of 3D designs. Typography, photography, and illustration are integrated into complete packaging designs. Various substrates, materials, methods, practices, and production considerations are explored in this course to aid the construction of packaging for a “client.”

### **1315 - Silk Screen Printing**

Grades 10-12 | Credits: 2.5

In this course, students are introduced to the screen-printing process. Students will begin by using various hand-cut techniques for printing images on several different mediums. They soon advance to the process of Photographic Screen Printing preparing images using Macintosh computers and the Adobe Creative Suite of programs. Students will learn the art of printing images on paper, fabric, and decal stickers.

## **Photography and Video Production**

Many career opportunities are available in photography and video production, including news photography, fashion photography, sports reporting, television reporting, and/or filming and film production. The photography and video production sequences cover a variety of areas in this industry.

### **1347 - Video Production I**

Grades 10-12 | Credits: 2.5

This course is designed to provide students with the opportunity to acquire and utilize an understanding of the video production process and relate it to careers in business and industry. Students will work in front of the camera as talent, as well as behind the scenes as directors and editors. Camera techniques will be learned, as well as production techniques, including lighting, audio, pre-and post-production, and editing to create videos. This course will bring together skills learned in language arts, business, technology, science, and social studies as students organize, write, and produce scripts for final digital production. Projects range from Autobiographies &

Commercials to PSA's and Music Videos.

### **1349 - Video Production II**

Grades 10-12 | Credits: 2.5 | Prerequisite: Video Production I

The course is designed to provide students with the opportunity to advance their skills acquired from Video Production I to create professional demonstration reels for personal use or for their portfolio. Students will learn advanced editing techniques in combination with multiple software packages to create projects for live broadcast and DVD. Students will also learn studio lighting, multiple camera shoots, audio mixing, technical directing, and rundown assembly as they increase their live production skills. The course will bring together skills learned in language arts, business, technology, science, and social studies as students organize, write, and produce scripts for video and live television broadcast production.

### **1304 - Video Production Workshop**

Grades 10-12 | Credits: 2.5 | Prerequisite: Video Production II

LIGHTS! CAMERA! ACTION! The video production workshop course will allow students to continue to develop advanced skills in the areas of studio and news/broadcast production as well as developing advanced skills in video editing. This course is project-based and will serve to create a college-ready portfolio as they continue to increase their understanding of the correct use of transitions, effects, sound, and camera angles. This course may be taken multiple times.

### **1251 - Introduction to Photography**

Grades 10-12 | Credits: 2.5

This course introduces the basic principles of photography to beginning students interested in photography as a hobby or a career. Digital and 35MM cameras are analyzed and used. Photographic composition is studied and applied. The basic darkroom techniques, including the process of developing negatives, enlarger operation, and proof sheets are taught. Students also use computer applications such as Adobe Photoshop to enhance shots. Cameras, film, and paper are supplied for the basic assignments.

### **1252 - Photography Workshop**

Grades 10-12 | Credits: 2.5 | Prerequisite: Introduction to Photography

Photography Workshop is a sequential course consisting of levels 2 through 5. Constantly building from the basics, students are introduced to photography accessories: lenses, studio lighting, conceptual images and digital and computer enhancements. Emphasis is placed on photographic techniques of the experts and mastery of shooting and printing.

## Family and Consumer Sciences Courses

Today's society reflects a family structure where both parents may hold full-time jobs and continue with their careers. In these households, children are expected to take on more responsibility with respect to meal planning and preparation, cleaning chores, and care of younger siblings. The curriculum is designed to help educate students to deal with the needs of the contemporary family. The following courses prepare students for daily living or continued education in a career within the areas of design, culinary arts, and/or education.

### Churchill Junior High School Courses

#### **2360 - Creative Living I**

Grade 8-9 | Credits: 2.5

Creative Living I has two main segments; Foods & Nutrition and Sewing. In Foods, we will investigate the food guide pyramid by analyzing the students' personal diets and through healthy food preparation labs. Students will learn about, and make use of, a variety of kitchen procedures and appliances through fun and healthy recipes. In Sewing, students will gain hands-on experience sewing by hand and with a sewing machine. Sewing tools, terms, and applications will be learned. Both the Foods and the Sewing units have goal-oriented projects which will sharpen 21st-century consumer and decision-making skills. So, if you want to gain practical knowledge and skills through hands-on experience that can help you be a more independent individual, come join us in Creative Living I.

#### **2361 - Creative Living II**

Grade 8-9 | Credits: 2.5 | Prerequisite: Creative Living I

This class furthers the skills and foundation of independent living presented in Creative Living I. In the area of foods and nutrition, the focus is on the preparation of easy and healthy recipes that have become culturally accepted in our diets. The emphasis in this area is on various techniques of preparation (bake, broil, steam, wok, sauté, etc.) in combination with personal nutrition, foreign foods, and vegetarianism. A separate unit on yeast breads is also presented.

The sewing portion of Creative Living II will extend the hand and sewing machine skills previously learned through projects that utilize commercial patterns. The projects will include zipper application and other clothing construction/repair techniques. All students will have the opportunity to personalize their work and express their creativity. Along the way, students will develop their skills and knowledge in the use of the iron and pressing techniques, clothing care and repair, and laundry procedures.

### **2362 - Culinary Essentials**

Grade 8-9 | Credits: 2.5 | Co/Prerequisite: Creative Living I

This introductory food preparation course is designed to provide students with basic food preparation skills, cooking principles and techniques that they can apply to their daily lives, or to use as a base foundation to continue in the Culinary Arts program. Through classroom demonstrations, various learning strategies, and hands-on laboratory experiences, the students will become proficient in the use of standard cooking utensils and equipment, recipe terms, recipe completion skills, ingredient identification, ingredient purpose, and substitutions. Units of study will include kitchen and food safety, recipe measurements and development, baking, fruits and vegetables, dips and sauces, microwave cookery, dairy, eggs, meats and desserts.

The course will present the opportunity for students to become familiar with aspects of many food careers (food critics, chef work, marketing, baking, etc.) in addition to the laboratory experiences to lay the foundation for those that wish to continue in the Culinary Arts program here in East Brunswick. Students will also gain strength in decision-making skills, time management, organization and cooperation with group work.

### **2363 - Food Science and Nutrition**

Grade 8-12 | Credits: 2.5

The intention of this comprehensive program is to inspire and engage students, at all ability levels, in the exploration of standard scientific principles relating to food. The students will recognize the involvement and importance of food in our everyday lives. This course is also available at EBHS (1356).

### **2364 - Sew Much More!**

Grade 8-9 | Credits: 2.5

SEW, you want to learn more? This course will present hands-on opportunities and explore the FUNdamentals of fashion, design, and clothing construction. Study the history of fashion and accessories, learn garment construction and detail and create craft projects that are personal and/or seasonal. This might include tie-dye, embroidery, yarn work, scrapbooking, hand, and machine sewing. Students will study clothing detail and construction, basic sewing techniques, pattern layout, and simple modification. Information presented in this class may lead students to Fashion or Interior Design classes at the high school. Creativity, motivation, and a desire to be SEW MUCH MORE is a must!

## East Brunswick High School Courses

### **1351 - Culinary Arts I**

Grade 10-12 | Credits: 2.5

This course is designed to provide students with basic food preparation principles and techniques that allow students to live and work independently. Kitchen safety, food safety, and sanitation, kitchen utensil, and equipment, introductory knife skills, measurements, abbreviations, equivalents, recipe interpretation, food preparation terminology, are all taught as a foundation for the course. The food units introduced in this course correlate with My Plate and include the following areas of study: vegetables and fruits, introductory baking, quick breads, yeast breads, herbs and spices, American Regional Cuisine, pasta, grains, and cereals, proteins, and dairy.

The use of cooperative learning groups in the classroom will give students the opportunity to demonstrate teamwork, leadership roles, decision-making strategies, time management, and conflict resolution skills. The application of these learned family and consumer science skills will assist our students in all aspects of their daily lives and careers.

All students will receive the NJ Food Handlers Certification before lab work begins.

### **1352 - Culinary Arts II**

Grade 11-12 | Credits: 2.5 | Prerequisite: Culinary Arts I

This course is designed to provide students with intermediate/advanced food preparation principles and techniques that allow students to live and work independently. Coursework builds and focuses on improving and perfecting skills previously learned in Culinary Arts I; Course units include advanced knife skills, vinaigrettes, plate presentation, stocks and soups, hot and cold sandwiches, sauces, various International cuisines, desserts, and introductory careers in culinary. Through lab work in small groups, the students gain confidence, employability skills and an appreciation of cultural diversity. Students participate in “QuickFires” where they are urged to design original recipes based on each unit. A highlight of the semester’s work is a special, ‘Iron Chef’ culinary competition.

### **1358 - Culinary Arts III Honors**

Grade 11-12 | Credits: 2.5 | Prerequisite: Culinary Arts II

Recommended Electives for Program Enhancement: Food for Fitness, Food Science and Nutrition, Healthy Eating On the Go.

Culinary Arts III is designed to advance previously developed culinary skills and align them with current industry standards. Through learning experiences that combine classroom instruction with culinary labs, students will learn to apply their knowledge and skills to be successful in industry-related fields. Students will also be exposed to fine dining, urged to think outside of basic recipes to cook and bake creatively, develop original dishes and menus, and follow current food

trends and career pathways. Students are encouraged to participate in extended learning experiences such as career and technical student organizations, such as FCCLA, and other leadership or extracurricular organizations.

### **1356 - Food Science and Nutrition**

Grade 10-12 | Credits: 2.5

The intention of this comprehensive program is to inspire and engage students, at all ability levels, in the exploration of standard scientific principles relating to food. The students will recognize the involvement and importance of food in our everyday lives. This course is also available at CJHS (2363).

### **1361 - Convenient Cuisine**

Grades 10-12 | Credits: 2.5

This course is designed to provide students with basic food preparation principles and techniques that allow students to live and eat healthily when life and work make finding time to prepare meals difficult. The units introduced in this course correlate with My Plate and include the following areas of study: knife skills, measuring, microwave, pasta, table settings/manners, food preparation using readily available convenient foods, breakfast/eggs, and consumerism.

The use of cooperative learning groups in the classroom will give students the opportunity to demonstrate teamwork, leadership roles, decision-making strategies, time management, and conflict resolution skills. The application of these learned family and consumer science skills will assist our students in all aspects of their daily lives and careers.

### **1362 - Food for Fitness**

Grades 10-12 | Credits: 2.5

This course provides students with hands-on culinary experience combined with innovative nutritional approaches to food preparation. This course is designed to show how food can support a radiant level of health and wellness and includes all aspects of plant-based, natural foods cooking.

### **1354 - Human Growth and Development**

Grade 10-12 | Credits: 2.5

This course is for students who want to learn about the child from prenatal development to adult life. Students explore the unique world of life cycle developmental stages through discussion, videos, observations of people of various ages and hands-on projects. A visit to the EBHS Preschool is a highlight of the course. Topics such as family dynamics, dating, child abuse, and communication skills are covered. Projects include the “Sugar Baby Parenting” and “Baby Think It Over,” where students

have the opportunity to bring Baby Think It Over, the robotic baby, home for an overnight experience.

### **1355 - Preschool Education Honors (Teaching Laboratory)**

Grade 11-12 | Credits: 10

Due to school closures, no application is necessary. Please contact your counselor if you would like to request Preschool for next year. Preschool Education is a full-year elective Honors course, which meets for two periods every day. This course gives students interested in the field of education a competitive edge over other students who continue their studies in the field of education. Students learn, plan, teach and observe children, ages 3-5 years of age, in a laboratory preschool setting. Prior to the arrival of the preschoolers in mid-October, the course is devoted to child development, guidance techniques, teaching methods, observational techniques, scheduling and routines needed to work with the preschool-aged child. This unique course allows the students to apply their new skills and concepts to conduct and supervise a preschool. Students will continue to learn, plan and develop with the opportunity to practice these skills in storytelling, creative movement, art, music and theme teaching. The students gain confidence, knowledge, and skills to assist in careers relating to children, and Preschool Education is an exceptional opportunity for those students who are interested in teaching. Students electing to take Preschool may also be interested in the Teaching Practicum Honors course.

### **1357 - Teaching Practicum Honors (Teacher Cadet Program)**

Grades 11-12 | Credits: 5 | Transportation must be provided by the student

Due to school closures, no application is necessary. Please contact your counselor if you would like to request Teaching Practicum for next year. Teaching Practicum Honors is a course based on a nationally recognized curriculum-based program with implementation in 34 states across the nation. The Teaching Practicum Honors class allows the student to participate in a mini student teaching program making them competitive with other students interested in pursuing this field. This course includes the study of the history, development, organization, and practices of preschool, elementary and secondary education. There are three major focus sections in the course: Experiencing the Learner, Experiencing the Classroom and Experiencing the Profession. Students will learn about the overall operation of schools, their responsibilities as a teacher within a school and the many career possibilities in the field of education. (Principal, Curriculum Coordinator, School Board Member, School Counselor, Special-Education Teacher, Speech Therapist, etc.) Students electing to take the Teaching Practicum Honors class may also be interested in our Preschool Lab course. Note: Students electing to take Teaching Practicum Honors, (Teacher Cadet Program) have the option of earning three college credits from Rider University. To earn college credit, students must pay a tuition fee to Rider University.

### **1422 - Fashion I**

Grades 10-12 | Credits: 2.5

This course was designed to introduce students to the exciting world of fashion. Students will learn about clothing design and selection, various components of the apparel industry, and fashion careers. Students are expected to demonstrate proficiency in all CPIs listed. Fashion Merchandising and Retailing were designed to give a general overview of the world of fashion. Students will learn about designer ready-to-wear, private label lines, and electronic marketing of fashion goods. Students will also look at future directions and trends that apparel manufacturers and retailers are likely to take.

### **1423 - Fashion II**

This course was designed for students who want to continue their studies in the exciting world of fashion. Students will learn about clothing design and selection, various components of the apparel industry, and fashion careers. Students are expected to demonstrate proficiency in all CPIs listed. Fashion Merchandising and Retailing were designed to give a general overview of the world of fashion. Students will learn about designer ready-to-wear, private label lines, and electronic marketing of fashion goods. Students will also look at future directions and trends that apparel manufacturers and retailers are likely to take.



## Introduction to Science Courses

The recommended high school science course sequence is:

- Biology (9th Grade)
- Chemistry (10th Grade)
- Physics (11th Grade)
- Electives (12th Grade)

All students are required to successfully complete a minimum of three years of a lab science course to meet NJ graduation requirements. All students must take a biology course. Students will continue their science education with courses in chemistry, physics, environmental science, or Earth and space science. Courses meeting these graduation requirements are denoted in the course listings (with NJ). Students will take a comprehensive state assessment in the spring of 8th grade and their junior year. More than ninety percent of East Brunswick students take a fourth year of science.

The Science Department offers a sequence of courses at the Academic, Accelerated and Honors levels, as well as enrichment electives and AP courses. The courses are designed to provide meaningful, viable choices at each grade level for all interest and skill levels. Student career goals play a major part in the development of the science curriculum. The goal of academic courses is to provide a strong foundation for students so they can be successful in any of the entry-level science courses chosen in college. The Honors sequence enables students to take achievement tests, such as the SAT subject tests. The enrichment electives make students aware of the applications of science. Several courses, as noted in the course listings, can be taken for college credit from Middlesex County College.

Science courses are offered in the following formats:

1. 7th grade science courses meet every other day for 5 credits.
2. 8th grade science courses meet every other day for 5 credits.
3. Honors & AP: Grade 9-12 full-year courses meet every other day for 1 semester and everyday for the other semester for 7.5 credits.
4. Academic/Accelerated: Grade 9-12 full-year courses meet every other day for 5 credits.
5. Semester Electives: Grade 10-12 semester courses meet every other day for 1 semester for 2.5 credits.
6. Research and Seminars in Biological Science H: Grade 11-12 full-year course that meets for three (3) single periods during the week for 3 credits.

## Science Level Descriptions

Click here to open [Science Level Descriptions](#)

### **Doubling in Science**

Students can double in science if they meet the prerequisites for BOTH courses.

### **Summer Advancement in Science**

Students must complete a [Summer Advancement form](#) in order to be considered for Summer Advancement in Science. Chemistry and Physics Accelerated/Honors courses allow for summer advancement. Students must meet the summer advancement pre-requisites of the course they wish to take in the summer (80 in Honors/90 in Accelerated). Students cannot level up to an honors course through this program. The outside course must be approved by the Department Chairperson - it must be a 120 hour course. East Brunswick does not endorse or recommend any specific program. Students must complete the course with the appropriate grade and attend a test date in the summer to take the EBHS final for the course. You are not guaranteed to pass the EBHS final exam because you took a course. Please note that it is very difficult to advance academically by taking a summer course.

Honors courses: 80 in the course, 80 on the EBHS final exam

Academic/Accelerated courses: 90 in the course, 90 on the EBHS final exam

Students must complete the form by: TBA

Refer to the East Brunswick Public Schools Science Curriculum website for more information.

## Churchill Junior High School Courses

### **2105 - Science 7**

Grade 7 | Credits: 5

Science 7 is a full year course that will build on the elementary and middle school science program. Students will utilize the science practices to explore phenomena related to physical, earth, and life sciences. Students will explore grade level specific concepts by being presented with engaging scientific phenomena and performing investigations to create models that explain the phenomena. In addition to science content, students will further develop science related skills such as asking

questions, modeling, and designing investigations.

### **2106 - Science 8**

Grade 8 | Credits: 5

Science 8 is a full-year course designed to provide students with a basic understanding of chemistry, geology, astronomy and meteorology. Students participate in small-group, cooperative learning activities, as well as large-group discussions. This course frequently uses an inquiry approach where students generate questions and revise their thinking as their understandings of scientific concepts are refined. Laboratory skills, data analysis, practical application, and critical thinking using the scientific process are emphasized throughout the course, as well as writing scientific arguments using the claims, evidence, reasoning paradigm.

### **2108 - Science 8 H**

Grade 8 | Credits: 5 | Prerequisites will determine placement into course

Science 8 Honors is a full-year course designed to initiate the serious science student's explorations into chemistry, geology, astronomy and meteorology. The course frequently uses an inquiry approach where students are constructing their knowledge of basic scientific concepts through small-group, cooperative learning activities and laboratory experiences. Laboratory skills, data analysis, practical application, and critical thinking using the scientific process are emphasized throughout the course, as well as writing scientific arguments using the claims, evidence, reasoning paradigm. This course differs from Academic 8th Grade Science by an accelerated pace and increased depth and breadth of content.

### **2110 - Biology**

Grade 9 | Credits: 5

Academic Biology introduces students to broad aspects of the biological sciences including the structure and function of matter and organisms, inheritance and variation of traits in living things, organisms and their interdependent relationships including the effects of humans on the environment, natural selection and evolution. Students experience a variety of learning strategies, including cooperative group interaction, discussion, demonstration and laboratory experimentation. In all of these activities students incorporate content into their critical thinking. This course is offered at East Brunswick High School students only for students who have not met graduation requirements.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

## **2112 - Biology Accelerated**

Grade 9 | Credits: 5

Accelerated Biology is designed for students who have exhibited past success in science and may continue their study of science in college. This course provides students a comprehensive study of biological sciences including the structure and function of matter and organisms, inheritance and variation of traits in living things, organisms and their interdependent relationships including the effects of humans on the environment, natural selection and evolution. Students experience a variety of learning strategies, including cooperative group interaction, discussion, demonstration and laboratory experimentation. In all of these activities students incorporate content into their critical thinking. Critical analysis of data and problem solving are major thrusts of this course.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

## **2111 - Biology H**

Grade 9 | Credits: 7.5 | Semester Lab Period | Prerequisites will determine placement into course

Honors Biology, which provides a rigorous, intensive study of Biology, is designed for students who have done exemplary work in the previous year's science class. This course is geared to those students who have strong science skills, high motivation, and who have exhibited the ability to analyze data critically and arrive at meaningful conclusions. Topics of study include the structure and function of matter and organisms, inheritance and variation of traits in living things, organisms and their interdependent relationships including the effects of humans on the environment, natural selection and evolution. The students continuously engage in critical-thinking activities, analysis of data, and the written presentation of logical conclusions during the extensive laboratory activities.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

## **Science Electives**

### **2113 - Astronomy**

Grade 9 | Credits: 2.5 | Semester Course

This is a course designed to give students a basic understanding of the structure of the universe, the structure and behavior of the objects that make up the universe and the earth's relationship to the other objects in our solar system. It includes a detailed study of the planets, the sun and the moon. Modern observational and measurement methods used by astronomers are investigated.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

## East Brunswick High School Courses

### 1113 - Chemistry

Grade 10 | Credits: 5 | Prerequisites will determine placement into course

Chemistry focuses on a qualitative understanding of introductory chemistry concepts. This conceptual chemistry course is designed for students who are still developing their mathematical skills and applying those skills to science content. Topics include atomic theory, radiation, periodic table, bonding, chemical reactions, thermochemistry, acids and bases, and nuclear chemistry. This course emphasizes the application of chemistry to authentic scenarios, so students appreciate the important role that chemistry plays in their lives. Critical thinking, data analysis, group projects and cooperative learning activities are included in this course, along with laboratory activities that enhance the understanding of chemistry concepts.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

### 1114 - Chemistry Accelerated

Grade 10 | Credits: 5 | Prerequisites will determine placement into course

Accelerated Chemistry is designed for students who have exhibited past success in mathematics and science and may continue their study of science in college. This course provides a comprehensive study of the basic concepts of chemistry, which will enhance the student's success in a college chemistry course. Topics include both qualitative and quantitative concepts, such as atomic theory, periodic table trends, bonding, chemical reactions, thermochemistry, kinetic theory of gasses, mole theory and stoichiometry, acids and bases, and nuclear chemistry. Numerous laboratory sessions are provided to enhance understanding of chemistry concepts and theory. Critical analysis of data and problem solving are the major thrusts of this course.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

### 1121 - Chemistry H

Grade 10 | Credits: 7.5 | Semester Lab Period | Prerequisites will determine placement into course | [Dual-Credit Option](#)

Honors Chemistry is a quantitative approach to the study of the basic concepts of chemistry. The topics of study include atomic theory, periodic table trends, bonding, chemical reactions, mole theory, stoichiometry, gasses, solutions, thermochemistry, kinetics, equilibrium, thermodynamics, acids and bases, and electrochemistry. The major emphasis of Honors Chemistry is on critical thinking and reasoning based on data gathered in laboratory experiences. Problem-solving activities are an integral part of the course.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

### **1128 - Physics**

Grade 11 | Credits: 5 | Prerequisites will determine placement into course

This course centers on the conceptual study of physics. Topics include motion, forces, work and energy, momentum, electricity, magnetism, sound, waves, and light. Students will collect data and analyze it qualitatively and graphically to arrive at scientific conclusions. This program includes presentations, projects, small-group work, laboratory investigations, and problem-based and inquiry approaches. Many different learning strategies are employed to assist students of all abilities in developing group skills and scientific knowledge that will prepare them for continued study in the sciences. Students taking Pre-Calculus or Pre-Calculus H should schedule Physics Accelerated.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

### **1127 - Physics Accelerated**

Grade 11 | Credits: 5 | Prerequisites will determine placement into course

Accelerated Physics provides a comprehensive study of the basic concepts of Physics. Topics include kinematics, dynamics, momentum, work and energy, electrostatics, circuits, magnetism, wave behavior, sound, and light. Numerous laboratory experiences enhance student understanding of the basic physical concepts which govern the physical universe. All topics involve applying math skills to critical-thinking and problem-solving activities in science, such as the graphical analysis of motion and vector analysis in force problems.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

### **1134 - Physics H**

Grade 11 | Credits: 7.5 | Semester Lab Period | Prerequisites will determine placement into course | [Dual-Credit Option](#)

Honors Physics provides a rigorous mathematical study of physics, including topics such as translational and curvilinear motion, mechanics, momentum, simple harmonic motion, torque, energy, gravitation, electrostatics, circuits, magnetism, wave behavior, light and sound. Mathematical and graphical methods of vector analysis are used to describe and analyze the dynamics of physical phenomena. Students perform mathematical and computer analysis of data during the numerous laboratory activities. The concepts are studied theoretically and in the laboratory to reinforce student understanding. Students will use critical- analysis and problem-solving skills extensively.

Meets NJ Graduation Requirements. Meets [NCAA Core Course Requirements](#)

## Advanced Placement Electives

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Advanced Placement Science courses are considered electives; therefore, they cannot be dropped once the school year begins.

### **1112 - AP Biology**

Grade 11 & 12 | Credits: 7.5 | Semester Lab Period | Prerequisites will determine placement into course | [Dual-Credit Option](#)

AP Biology is a fast-paced course that requires responsible and committed students to spend extensive time and effort in study. Some topics necessitate independent study. In this college-level course, which is designed to prepare students for the AP exam, a college textbook is used and the College Board AP Biology syllabus is followed for topics and laboratories. Areas of study include biochemistry, molecular and cellular biology, energetics, genetics and evolution, principles of taxonomy, plant and animal physiology, and ecology. Non-syllabus labs enrich the analytical approach used in this course. Students are not able to drop AP Biology once the school year begins. Meets [NCAA Core Course Requirements](#)

### **1126 - AP Chemistry**

Grade 11 & 12 | Credits: 7.5 | Semester Lab Period | Prerequisites will determine placement into course

AP Chemistry is designed for second-year chemistry students who have high motivation and plan to enter a science-related career. The course provides a rigorous quantitative approach to advanced topics of chemistry in preparation for the Advanced Placement exam in chemistry. The course begins with a review of basic concepts, then progresses to kinetics, equilibrium, electrochemistry, thermodynamics, quantum mechanics, and radioactivity. Numerous laboratory experiences are included in the course. Students who have previously taken Academic Chemistry will have extensive work to complete before starting this course to learn topics not included in their entry-level chemistry course. Students cannot drop AP Chemistry once the school year begins.

Meets [NCAA Core Course Requirements](#)

### **1141 - AP Physics C**

Grade 12 | Credits: 7.5 | 2 lab periods | Prerequisites will determine placement into course

AP Physics C is a course for highly motivated science students who are considering a science-related career. This course is a Calculus-based, mathematically rigorous study of physics designed to

prepare the student for the AP Physics C examinations in both mechanics and electricity and magnetism. Students gain expertise in the mathematical analysis of physical phenomena that is not possible in a first-year physics course. There is an emphasis on solving sophisticated physics problems. Laboratory experiences are provided to help students understand some of the more abstract concepts. Students who have previously taken Academic Physics will have extensive work to complete before starting this course to learn topics not included in their entry-level physics course. Students cannot drop AP Physics C once the school year begins.

Meets [NCAA Core Course Requirements](#)

### **1144 - AP Environmental Science**

Grades 11 & 12 | Credits: 7.5 | Semester Lab Period | Prerequisites will determine placement into course

The goal of AP Environmental Science is to equip students with the scientific knowledge necessary for understanding the interrelationships in the natural world. This course provides students with the skills necessary to analyze environmental problems and the relative risks associated with human changes to natural ecosystems. Students will also examine alternative solutions to solving these problems. AP Environmental Science is an interdisciplinary course that incorporates scientific principles from earth science, biology and chemistry, in addition to aspects of social studies, as they relate to the study of the environment. Students in this course are expected to attend several field trips that take place during school hours. Students cannot drop AP Environmental Science once the school year begins.

Meet NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

## **Science Electives**

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### **1101 - Marine Biology**

Grade 10-12 | Credits: 2.5 | Semester Course | Prerequisites will determine placement into course

Marine Biology focuses on the study of marine ecosystems with specific emphasis on the ecology of the Atlantic coastal waters. This course involves the study of physical and chemical processes and their influence on the distribution and abundance of marine organisms. Specific ecosystems include coral reefs, kelp forests, rocky intertidal, estuaries, deep sea, and sandy beaches. Students are introduced to vertebrates and invertebrates that inhabit these ecosystems, such as fish, marine mammals, mollusks, cnidarians, poriferans, arthropods, and echinoderms. The impact of humans on these natural ecosystems is also studied. In addition, students explore career options in the field of marine sciences and are expected to participate in multiple field trips.

Meets [NCAA Core Course Requirements](#)



### **1103 - Environmental Science**

Grade 10-12 | Credit: 5 | Prerequisites will determine placement into course

Environmental Science is a full year lab class that will meet six times each week. Students will utilize concepts from earth, chemistry, physics and life science fields to investigate phenomena relating to interactions between living and non-living elements in the environment. The course will be made up of four thematic units: energy, atmosphere and climate, marine science, and geology. Students will learn through an inquiry approach and attempt to develop solutions to complex environmental issues. Understanding will be demonstrated through completing group work, lab investigations, engineering and design projects, presentations, and case studies.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

### **1104 – Science, Engineering, and Public Policy**

Grade 10-12 | Credits: 2.5 | Semester Course

This non-lab science course involves investigating current scientific topics and events as they happen and exploring the policies and laws that govern science on the global stage. Students will learn how societies around the world fund and promote science and technology to improve health, provide energy and food, and help foster new industries and jobs. The course also investigates how science and technology are used to inform and debate policymaking in fields such as environmental policy and health policy, and the roles that scientists, engineers, and other experts play in providing scientific and technical information to the public and to policy-makers.

Meets [NCAA Core Course Requirements](#)

### **1105 - Astronomy**

Grade 10-12 | Credits: 2.5 | Semester Course

This is a course designed to give students a basic understanding of the structure of the universe, the structure and behavior of the objects that make up the universe and the earth's relationship to the other objects in our solar system. It includes a detailed study of the planets, the sun and the moon. Modern observational and measurement methods used by astronomers are investigated.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

### **1106 - Meteorology**

Grade 10-12 | Credits: 2.5 | Semester Course

This is a course designed to give students a basic understanding of weather patterns and their causes. The students observe weather and cloud formations, rain, snow, sleet, and wind. The

causes and effects of major storms and the instruments used to measure and predict weather are examined. Major aspects of the course include the prediction of tornadoes, hurricanes, and other weather conditions. Students engage in weather forecasting, collecting daily weather data, and preparing and decoding the daily weather map. Weather data, which is computer generated, is also analyzed by students.

Meets NJ Graduation Requirements

Meets [NCAA Core Course Requirements](#)

### **1108 - Human Biology**

Grade 11 & 12 | Credits: 2.5 | Semester Course | Prerequisites will determine placement into course

Human Biology involves introducing students to human biology. Students will investigate the interactions between body systems; they will see how body organs work individually and collectively to maintain an internal homeostasis and overall health. The course explores the human body systems through a combination of dissection, practical laboratory exploration, and alternative assessments.

Meets [NCAA Core Course Requirements](#)

### **1130/1131 - Forensic Science 1 & 2**

Grades 10-12 | Credits: 2.5 | Semester Course | Prerequisites will determine placement into course

Students in this course learn the fundamentals of a criminal investigation and how it is used in a court of law. All sessions include crime scene analysis, evidence collection, and case studies. Each quarter will focus on specific analytical techniques that could include fingerprinting, ballistics, explosives, arson, DNA, blood spatter, hair, fiber, handwriting analysis, forensic anthropology, and toxicology. By stepping into the role of the forensic scientist, students learn and apply numerous scientific strategies and skills.

### **1140 - Molecular Biology Lab Techniques**

Grade 10-12 | Credits: 2.5 | Semester Course | Prerequisites will determine placement into course

Students in this semester course get an introduction to using molecular biology laboratory protocols, such as DNA purification, PCR, restriction digests, and agarose gel electrophoresis, to isolate and analyze DNA samples. This course is a prerequisite for the Waksman Student Scholars Program (course 1142) where students conduct a molecular biology research project.

### **1142 - Research and Seminars in Biological Science H**

Grades 11 & 12 | Credits: 3 | Prerequisites will determine placement into course

Research and Seminars in Biological Science H allows students to participate in the Waksman Student Scholars Program. The Waksman Student Scholars Program provides opportunities for

students to conduct an authentic research project in molecular biology and bioinformatics. Students use molecular biology laboratory techniques to isolate and analyze DNA samples. The goal is for students to analyze, and possibly publish, a DNA sequence. Note that this program is affiliated with Rutgers University, which sets course requirements and limitations. This is a full-year course that meets three (3) days a week after school; attendance is mandatory. This course can be taken more than once in a High School career; qualified students take on leadership roles as they progress in the program. Students who want to enroll in this course must have previously taken the Molecular Biology Lab Techniques elective.

Meets [NCAA Core Course Requirements](#)

### **1143 - Anatomy and Physiology H**

Grades 11 & 12 | Credits: 7.5 | Semester Lab Period | Prerequisites will determine placement into course | [Dual-Credit Option](#)

Anatomy and Physiology is designed to introduce students to the structure and function of the human body. The scope of the course includes topics such as animal cell structure and biochemistry, tissue organization and function, and mammalian organs and organ systems as they relate to human biology. Extensive laboratory work, including a major mammalian dissection, is required. The course provides a strong background for students entering careers such as nursing, medical technology, and sports medicine.

Meets [NCAA Core Course Requirements](#)

## Introduction to Social Studies Courses

Courses required for graduation are U.S. History I in ninth grade, U.S. History II in tenth grade and World History/Cultures in eleventh grade.

In order for students to gain a greater understanding of the world around them, they need to explore significant themes that have been pervasive throughout human history. The social studies curriculum assists students in understanding the experiences and contributions of people from all ethnic and socioeconomic groups in America's multicultural society.

The social studies program teaches students the content knowledge, intellectual skills, and civic values necessary for fulfilling the duties of citizenship in a participatory democracy. Courses are taught in-depth rather than simply attempting to "cover" large amounts of material. Students are also responsible for researching and analyzing information using primary sources. There is an emphasis on the infusion of educational technology in all social studies courses.

The social studies program develops life skills by emphasizing the understanding of maps, globes, charts, graphs, and diagrams. The five themes of geography serve a vital role in helping students understand the relationship between human history and the environment. Geography is a major component of World History/World Cultures, while the Civil Rights movement, the Vietnam War, and contemporary economic, social, and political issues are integral parts of U. S. History II.

Courses required for graduation are U.S. History I in ninth grade, U.S. History II in tenth grade and World History/Cultures in eleventh grade.

All social studies course curricula have been aligned to the New Jersey Department of Education Student Learning Standards.

## Social Studies Courses

### Churchill Junior High School Courses

#### Churchill Junior High School Grade 8 Courses

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#### **1069 - Technology Support and Integration Workshop (EBGB Help Desk)**

Grade 8-9 | Credits: 2.5

Technology is integrated into all of our lives and, by extension, into virtually all industries and career paths. In this course students will have the opportunity to learn and practice skills in customer

service, communication, and technology management. Students from all academic levels will be able to gain real-world skills while exploring career paths in technology and customer service and gaining understandings of the structure, best practices and ethics involved in working with technology in a complex, diverse organization.

### **2060 - Early American History**

Grade 8 | Credits: 5

This course is designed to acquaint students with Early American History from the American Revolution through the Period of Reconstruction. It emphasizes important personalities, events, and lifestyles during this period of our nation's development. An emphasis on the Constitution, current events, New Jersey history, and a geographic skills program are integral parts of the course. In addition, the development of critical thinking skills, along with library/media research projects and applications of technology are incorporated.

### **2064 - Early American History H**

Grade 8 | Credits: 5 | Prerequisites will determine placement into course

The program is an intensive and challenging study of Early American History for highly motivated students. This course is a chronological survey of our history from the American Revolution through the Period of Reconstruction. In addition to the content described above, there are activities requiring extensive reading, independent research, writing, applications of technology, and group discussions.

## **Churchill Junior High School Grade 9 Courses**

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### **1069 - Technology Support and Integration Workshop (EBGB Help Desk)**

Grade 8-9 | Credits: 2.5

Technology is integrated into all of our lives and, by extension, into virtually all industries and career paths. In this course students will have the opportunity to learn and practice skills in customer service, communication, and technology management. Students from all academic levels will be able to gain real-world skills while exploring career paths in technology and customer service and gaining understandings of the structure, best practices and ethics involved in working with technology in a complex, diverse organization.

### **2063 - U. S. History I**

Grade 9 | Credits: 5

This course is a survey of our nation's history from 1890 through World War II. The study of New Jersey history and government is infused throughout the curriculum. In addition, critical-thinking, library/media research skills, and applications of technology are developed. Meets [NCAA Core Course Requirements](#)

### **2062 - U. S. History I H**

Grade 9 | Credits: 5 | Prerequisites will determine placement into course

This course is an extension of Early American History Honors and is designed to challenge highly motivated students as they study our nation's history from 1890 through World War II. In addition to the content described above, there are activities requiring extensive reading, independent research, writing, group discussions, critical thinking skills, along with library/media research projects, and applications of technology are also incorporated.

Meets [NCAA Core Course Requirements](#)

## **East Brunswick High School Courses**

### **1073 - U. S. History I**

Grades 10-12 | Credits: 5

This course covers American History from the American Revolution through World War II and addresses the major political, economic, and social events and issues for those periods. This course has been modified from the 8th and 9th grade curricula to meet the state requirements at the high school.

Meets [NCAA Core Course Requirements](#)

### **1077 - AP World History: Modern**

Grade 11 | Credits: 5 | Prerequisites will determine placement into course

AP World History is designed to be the equivalent of an introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in historical periods addressing from approximately 1200 CE to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course provides five themes that students explore throughout the course in order to make connections

among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. \*\*Note: For students who need to fulfill their first year of the state requirement in U. S. History, the following course is offered to tenth, eleventh, and twelfth graders.

Meets [NCAA Core Course Requirements](#)

### **1052 - World History/World Cultures H**

Grade 11 | Credits: 5 | Prerequisites will determine placement into course

This is an intensive and challenging study of modern world history and world cultures designed for highly motivated students. In addition to the content described above, there are activities requiring extensive contemporary readings, independent research, writing, and group discussions.

Meets [NCAA Core Course Requirements](#)

### **1051 - World History/World Cultures**

Grade 11 | Credits: 5

This course is designed to acquaint students with modern world history and world cultures, with an emphasis on the post-World War II era. Students examine post-World War II anti-colonial revolutions and global issues, such as poverty, hunger, international trade, and technology that affect all of us in this age of escalating global interdependence. The course begins with a survey of World History from 1800 to the Cold War. This sets the stage for a regional study of the world, including Asia, Latin America, Africa, Europe, and the Middle East. World geography is an important component of the course.

Meets [NCAA Core Course Requirements](#)

### **1072 - AP American History**

Grade 10 | Credits: 5 | Prerequisites will determine placement into course

AP American History is a college-level course designed to prepare students for the AP exam. Students develop analytic skills and factual knowledge for an understanding of the colonial period, the American Revolution, the Jacksonian period, the Civil War and Reconstruction, populism and progressivism, the New Deal, World Wars I and II, international affairs and domestic change in the post-1945 period up to the present. The work requires in-depth reading of primary documents, essays, periodicals and the text. Students are expected to demonstrate mastery and understanding by presenting written essays on the aspects of the period under study. Students are encouraged to take the Advanced Placement examination. Meets [NCAA Core Course Requirements](#)

### **1071 - U. S. History II H**

Grade 10 | Credits: 5 | Prerequisites will determine placement into course

This course covers the administrations of major 20th and 21st century Presidents, significant social and cultural changes and such key topics as the Cold War, McCarthyism, the Civil Rights movement, the Vietnam War, the space race, Watergate crisis, the end of the Cold War, and the modern era. This course is for motivated students interested in studying the course material in greater depth through independent research, writing and group discussion.

Meets [NCAA Core Course Requirements](#)

### **1070 - U. S. History II**

Grade 10 | Credits: 5

This course covers the administrations of major 20th and 21st century Presidents, significant social and cultural changes and such key topics as the Cold War, McCarthyism, the Civil Rights movement, the Vietnam War, the space race, Watergate crisis, the end of the Cold War, and the modern era.

Meets [NCAA Core Course Requirements](#)

## **East Brunswick High School Electives**

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### **1013 - AP Seminar**

Grades 11 | Credits: 5 | Prerequisites will determine placement into course

AP Seminar is a highly collaborative, interdisciplinary course where students investigate real-world issues from multiple perspectives, gathering and analyzing information from various sources in order to develop credible and valid evidence-based arguments. AP Seminar students develop and use inquiry skills to question and explore, understand and analyze, evaluate multiple perspectives, synthesize ideas, and create arguments. Students are assessed with two performance tasks throughout the year and an end of course exam. Students taking AP Seminar should be motivated and independent as well as willing to expand their understanding through research, share and defend thoughts and ideas, strengthen modes of communication, and accept fair criticism and use feedback to develop their writing. AP Seminar is a prerequisite for AP Research. This course is required for the AP Capstone Certificate and/or AP Capstone Diploma. Please refer to the Course Levels page for specific requirements about the AP Capstone program.



**1060 - Economics**

Grades 10-12 | Credits: 2.5

Economics is a social science that examines production, consumption and transfer of wealth (money and currency). This course deals primarily with economic vocabulary and answers the following questions: what is economics, what taxes go towards, what attributes to the changes in the business cycle, and how elasticity is applied to supply and demand. This course examines numerous topics such as supply & demand, investment opportunities, the relationship between price changes and the market, various market structures, GDP, labor and economic growth/recession (business cycle) just to name a few. Students will take part in a variety of activities including the stock market game, entrepreneur project, company pitch presentation, hypotheses of product prices and more. The course does require students to present in front of the class both individually and as a part of a group as well as exercising a basic understanding of mathematics.

Meets [NCAA Core Course Requirements](#)

**1066 - Law in Society**

Grades 10-12 | Credits: 2.5

This course examines the application of law throughout American society. Students will examine topics that include: civil law, hate crimes, constitutional law, the Bill of Rights, the role of Supreme Court justices, and students' rights.

**1065 - Criminal Justice in America**

Grades 10-12 | Credits: 2.5

This course begins with a historical overview of the origins and development of our legal system. Students will examine topics that include: preliminary crimes, corrections, police use of force, elements of crime, the arguments of self-defense and insanity, along with a look at juvenile justice.

Meets [NCAA Core Course Requirements](#)

**1069 - Technology Support and Integration Workshop (EBGB Help Desk)**

Grade 10-12 | Credits: 2.5

Technology is integrated into all of our lives and, by extension, into virtually all industries and career paths. In this course students will have the opportunity to learn and practice skills in customer service, communication, and technology management. Students from all academic levels will be able to gain real-world skills while exploring career paths in technology and customer service and gaining understandings of the structure, best practices and ethics involved in working with technology in a complex, diverse organization.

### **1078 - Vietnam: A Time of Turmoil and Change**

Grades 10-12 | Credits: 2.5

The Vietnam War was the most controversial and divisive American conflict of the 20th century. Unfortunately, it is often the most misunderstood. This course examines the background of Vietnamese history and culture, the political and military history of the war, and the conflicts the war created at home. The course will investigate and analyze all the controversies associated with the war; the major personalities and policymakers, the strategies and tactics implemented, and the experiences of those who fought- both American and Vietnamese. Lastly, the course examines how the Vietnam War shaped and influenced the culture of the 1960s and beyond.

Meets [NCAA Core Course Requirements](#)

### **1068 - Independent Learning Workshop: Choose Your Own Adventure**

Grades 10-12 | Credits: 2.5

Have you ever wished you had time to dig deep into a topic or project, learn all about it and create something awesome? This is your chance. In this course students will discover how to find the information they need to pursue a specific interest, and use that information to create, collaborate and teach others about their passion, whether it's knitting, anime, or molecular biology. Don't know what that passion is yet? Figuring it out is part of the process. In this course students will investigate their interests and then choose a specific topic, project, or skill to learn or explore. Students will document the process of discovering, proposing and planning their project using digital tools to research, journal, collaborate, and present their work, developing real-world skills for project management, communication and presentation. Digital citizenship and trending social media dynamics will also be considered. In this hybrid course students will work independently about eighty percent of each week, with teachers available at all times to guide and support them as needed.

### **1056 - Psychology I**

Grades 10-12 | Credits: 2.5

Psychology is the study of the human mind. This course examines topics such as how we perceive the world, personality development theories, self-esteem, altered states of consciousness, sleep, dreams, birth order, personalities, moral development, and other concepts. By providing insights into human behavior, the course is designed to increase understanding of why people behave as they do.

Meets [NCAA Core Course Requirements](#)

**1061 - Psychology II H**

Grades 10-12 | Credits: 2.5 | Prerequisite: Psychology I | [Dual-Credit Option](#)

This course provides additional knowledge of psychology through an examination of such topics as the workings of the brain and nervous system, learning and memory theories, and enhancing memory. Stress-related topics and abnormal psychology issues like anxiety disorders, depressive disorders, eating disorders and obsessive-compulsive disorders are studied. Psychology II H is currently aligned to Middlesex County College and we anticipate that students will have the opportunity to earn college credits in this course.

Meets [NCAA Core Course Requirements](#)

**1057 - Sociology I**

Grades 10-12 | Credits: 2.5

Sociology is the study of human society and social behavior. This course deals primarily with culture and social values in primitive and modern societies, group behavior, social inequality, social institutions, and the individual in society. Topics covered include rites and rituals, adolescence, social deviance, sanctions, collective behavior and social movements. The course includes a variety of teaching methods: debates, socio-dramas, pantomime, popular films, music, television, surveys, and interviews.

Meets [NCAA Core Course Requirements](#)

**1079 - Sociology II H**

Grades 10-12 | Credits: 2.5 | Prerequisite: Sociology I

This course provides additional knowledge of sociology by building upon the topics covered in Sociology I. The major focus of the class will be to examine research methods, deviance, social control, collective behaviors, social change, the environment, and special career fields in sociology. The class will include research, group projects, cooperative activities, field trips and guest speakers.

Meets [NCAA Core Course Requirements](#)

**1063 – Nazi Germany and the Holocaust H**

Grades 10-12 | Credits: 2.5

This course will examine the Nazi party in Germany and how its rise resulted in widespread discriminatory practices culminating in the largest mass murder in human history. Specifically, students will study in-depth Nazi anti-Semitic policy, life in the Jewish ghettos, the horrors of the death camps, and rescue and resistance efforts throughout the Holocaust.

Meets [NCAA Core Course Requirements](#)

### **1064 - Genocide in the Modern World H**

Grades: 10-12 | Credits: 2.5 | [Dual-Credit Option](#)

Genocide: the systematic destruction of a national, ethnic, racial or religious group. It is the most severe and horrifying of all human crimes. This course examines in detail the background, issues, events, and implications of some of the world's darkest chapters. This course will investigate selected topics such as Japanese crimes against humanity in WWII, the genocidal policies of Joseph Stalin in the USSR, the Holocaust, and genocide in Rwanda, Bosnia, Cambodia, Iraq, Armenia and Darfur. Students will analyze various ideologies and mechanisms that culminate in genocide and will examine the roles of collaborators, bystanders, rescuers, and the psychology of both perpetrators and victims. The course will also analyze the role and effectiveness of international law and the United Nations in preventing genocide and bringing perpetrators to justice. Genocide in the Modern World H is currently aligned to Middlesex County College and we anticipate that students will have the opportunity to earn college credits in this course.

Meets [NCAA Core Course Requirements](#)

### **1075 - International Studies H (Fall)**

Grades: 10-12 | Credits: 2.5 | Hybrid Course; Criteria: Students must audition for admittance

There will be costs associated with this course for attendance at Model United competitions. This course is an independent study program and considered a hybrid class where students will interact with the teacher in person and on an online platform. Participants must meet after school for no less than twice each week (on average) during the semester, and they must agree to prepare for and to attend Model United Nations simulation activities. Participants accept roles as delegates to various U. N. agencies. They represent assigned countries which are member states in the U.N. At after school meetings they discuss strategies and coordinate research with assigned partners. They are tested on economic, political and geographic information on their "adopted" country, its region and its impact on international diplomacy. Model U. N. Conferences are four-day three-night total immersion/simulation activities. At these Model United Nations Conferences, high school students spend sixty (60) hours on task in debate, caucus, and writing U. N. style resolutions.

Meets [NCAA Core Course Requirements](#)

### **1076 - International Studies H (Spring)**

Grades: 10-12 | Credits: 2.5 | Hybrid Course; Criteria: Students must audition for admittance

There will be costs associated with this course for attendance at Model United competitions. This course is an independent study program and considered a hybrid class where students will interact with the teacher in person and on an online platform. Participants must meet after school for no less than twice each week (on average) during the semester, and they must agree to prepare for and to attend Model United Nations simulation activities. Participants accept roles as delegates to various

U. N. agencies. They represent assigned countries which are member states in the U. N. At after school meetings they discuss strategies and coordinate research with assigned partners. They are tested on economic, political and geographic information on their “adopted” country, its region and its impact on international diplomacy. Model U. N. Conferences are four-day three-night total immersion/simulation activities. At these Model United Nations Conferences, high school students spend sixty (60) hours on task in debate, caucus, and writing U. N. style resolutions.

Meets [NCAA Core Course Requirements](#)

### **1419 - International Business and Politics H**

Grades 10-12 | Credits: 2.5

This course is offered for students who are interested in global economics and international trade. Among the topics covered are global trade patterns, political and cultural influences on the business climate, trading blocs, trade agreements, international finance, foreign exchanges, commodities exchanges, the geography of global resource allocation and use, and customs, tariffs and taxes. Computer research assists students in solving problems and simulations associated with the complex world of global trade and economic interdependence.

Meets [NCAA Core Course Requirements](#)

### **1054 - Institute for Political and Legal Education (IPLE) I H**

Grades 10-12 | Credits: 5 | [Dual-Credit Option](#)

This course is designed to provide an in-depth study of our Constitution, Bill of Rights and Federal system of government. Students will gain practical experiences and knowledge through the study and use of the procedures and techniques of local, county, state, and federal governments and courts. Students act as Senators and Representatives of the U. S. Congress, using parliamentary procedure and debating legislation they prepare for a three-day Model Congress. Course requirements include research projects, outside reading assignments, and considerable practice in giving oral presentations. This course is currently aligned to Middlesex County College and we anticipate that students will have the opportunity to earn college credit.

Meets [NCAA Core Course Requirements](#)

### **1055 - AP Institute for Political and Legal Education II**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course

This course offers our students the opportunity to compete against their peers from across the state with the hopes of representing New Jersey at the prestigious “We the People” competition in the spring. If students advance in the competition, there will be costs associated with later rounds. The AP Institute for Political and Legal Education focuses on the Center for Civic Education's Competition on the Constitution. Students commit to participating in the competition, which involves learning a

curriculum based on the Constitution, its creation and implementation, the importance of rights in our system of government and the future of the Constitution and its interpretation. Students will participate in extensive research and analysis as well as preparation for the oral competition. The competition is based on group presentations. Students will also follow an AP American Government curriculum with an expectation of participation in the AP American Government Examination.

Meets [NCAA Core Course Requirements](#)

### **1053 - AP Macroeconomics**

Grades 11-12 | Credits: 5 | Prerequisites will determine placement into course

This course is intended for students seeking an in-depth understanding of macroeconomic issues and principles usually involving large institutional players like commercial banks, the Federal Reserve, and the Federal government. An ability to work with statistics and graphs is also critical to an in-depth understanding of topics. It will prepare students for the spring administration of the AP Macroeconomics examination. Topics will include measurements of economic health and performance (inflation, unemployment, GDP growth, and price indices), aggregate supply and demand, national income and wealth, monetary policy and the role of the Federal Reserve and the banking system, financial markets and exchange rates, productivity, international trade and balance of payments.

Meets [NCAA Core Course Requirements](#)

### **1067 - AP Psychology**

Grades 11-12 | Credits: 5 | Prerequisites will determine placement into course

This course is offered to students who wish to complete an introductory level college course in psychology while still in secondary school. AP Psychology introduces students to the systematic and scientific study of the behavior and mental processes of human beings. Students learn about ongoing research and the most current data in all major subfields within psychology. The course also covers a variety of topics, such as testing methods, social psychology, abnormal psychology, the treatment of psychological disorders and many others. Students are required to enhance their writing skills by responding to free-response format questions.

Meets [NCAA Core Course Requirements](#)

### **1074 - AP European History**

Grade 12 | Credits: 5 | Prerequisites will determine placement into course

This college-level course is designed to prepare students for the Advanced Placement exam. The course provides students with knowledge of major themes in European history from approximately 1450 to 2010 – from the high Renaissance to the present. Students will develop an ability to analyze historical evidence through primary source documents, works of art, religious philosophy, and

enlightenment thinking. This course is not a repeat of World History.

Meets [NCAA Core Course Requirements](#)

## Introduction to World Language Courses

Anyone can learn to speak a second language. The varied world language curricula afford students the opportunity to begin or continue their study of modern world languages, including French, German, Italian, Mandarin and Spanish. The ability to communicate effectively in another language takes a long time. Therefore, students are encouraged to continue their language study through graduation. East Brunswick Public Schools is committed to a well-articulated World Language program that prepares students to participate in a global community. Students who are in grades 11 and 12 have the options for AP Language and Culture in these languages: Mandarin, French, Spanish, German, Italian AP Language and Culture. In addition, there are non-AP courses like French for Business H, Spanish for Business H, Spanish for the Medical Profession H, Made in Italy H, Italian VI H, Spanish VI H, French VI H, Made in Italy H or German in the 21st Century H.

Learning a world language is a natural and rewarding process and studies have shown a positive relationship between world language study and SAT scores. The world language classroom is exciting! The emphasis is on learning how to speak and understand a language and its culture. Students work with individual student devices and our digital language laboratory to improve their listening and speaking skills. Students access the internet for authentic material such as newspapers, magazines and videos. The instructional sequence provides opportunities to use language through meaningful interactive experiences enriched by culturally authentic content. Students also have the opportunity to augment their learning with honor societies, club activities, field trips and classroom projects.

### East Brunswick Graduation Requirements

The East Brunswick Public School district requires ten credits of a world language for graduation. In order for students to develop a stronger proficiency in both language and cultural understanding, East Brunswick recommends the longest possible sequence of one language. As newly arrived students from their native country, English language learners may use their native language to satisfy the requirement when entering the ninth grade or at subsequent grade levels. Students who have been speaking their native language since a very young age and throughout their prior educational experience will satisfy five credits toward the world language requirement for graduation.

### College Requirements

Most colleges and universities require two years of a World Language for entrance. Some require as little as none and some selective universities require four years. Colleges prefer a long sequence of one language.



## World Language Courses

For students wishing to begin a new language or a second or third language, that option is available when there is sufficient enrollment. The World Language flow charts show the typical sequence of languages. East Brunswick Public Schools offers these levels at the indicated grade levels when there is sufficient enrollment. The East Brunswick Public School district is committed to a language sequence of one language so that students will have achieved a usable proficiency in that language.

## Churchill Junior High School Courses

### Spanish

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#### **2215 - Spanish I**

Grade 8 – 9 | Credits: 5

This course is activity-centered with emphasis on speaking and listening. Spanish is in constant use in the classroom. The focus is on building a working vocabulary, including common idioms and phrases. Students learn words and very basic and relevant grammatical structures. Teachers also introduce elementary principles of reading and writing. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is Spanish.

Meets [NCAA Core Course Requirements](#)

#### **2217 - Spanish II**

Grade 7, 8, 9 | Credits: 5

Spanish II further develops the basic language skills with emphasis on communication in the language, thus enabling students to apply what they have learned. Teachers give students the opportunity to improve their ability to communicate effectively in new situations that they are likely to encounter in Spanish-speaking countries. While students learn language, they are simultaneously learning Spanish culture.

Meets [NCAA Core Course Requirements](#)

#### **2223 - Spanish III**

Grade 8 – 9 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. The instruction in this course is oriented toward the development of students' more complete control of the communicative functions and structures addressed in previous levels. Students communicate meaning in realistic situations. Teachers embed student learning with multicultural patterns found in

the Spanish language and cultural traditions. Students develop skills in the areas of listening, speaking, reading and writing the Spanish language. They also deepen their cultural understanding of the Spanish-speaking world.

Meets [NCAA Core Course Requirements](#)

### **2221 - Spanish IV**

Grade 9 | Credits: 5

Spanish IV continues the practical use of language while expanding language skills. Videos, oral presentations and outside readings are a part of the course. Teachers review grammatical principles in oral and written work and they provide opportunities for the development of a deeper understanding of the Spanish cultures.

Meets [NCAA Core Course Requirements](#)

### **2220 - Spanish IV H**

Grade 9 | Credits: 5

This is a rigorous course designed for the serious student of Spanish. Spanish IV Honors differs from Spanish IV in that students study the language in greater depth. Videos, oral presentations and outside readings are a regular part of the course. Students complete special projects designed to increase and demonstrate their Spanish linguistic and cultural proficiency. Students who meet the prerequisites and who plan to take the Advanced Placement test in subsequent years are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)

## **French**

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### **2203 - French I**

Grades 8 | Credits: 5

Open to all students, the course is activity-centered with an emphasis on speaking and listening. French is in constant use in the classroom. Students build working vocabulary, including common idioms and phrases. Students begin to learn words, phrases and grammatical structures. Students also learn elementary principles of reading and writing. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is French.

Meets [NCAA Core Course Requirements](#)

**2294 - French II**

Grade 7, 8, 9 | Credits: 5

French II further develops the basic language skills with emphasis on communication in the language, thus enabling students to apply what they have learned. Students have the opportunity to continue in the progressive ability to communicate effectively in new situations that students will encounter in French-speaking countries. Study of French culture in language practice is part of every lesson.

Meets [NCAA Core Course Requirements](#)

**2225 - French III**

Grade 8, 9 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. Instruction is oriented toward the development of students' more complete control of the communicative functions and structures addressed in previous levels. Students communicate meaning in realistic situations and carry out functions with multicultural patterns found in the French language and cultural traditions. Skills in the areas of interpreting information, communicating interpersonally and presenting information as well as cultural understanding, are developed.

Meets [NCAA Core Course Requirements](#)

**2221 - French IV**

Grade 9 | Credits: 5

French IV continues the situational/practical use of language while expanding language skills. Videos, oral presentations and outside readings are a regular part of the course. Students review grammatical principles as they relate to oral and written work. Students have opportunities for the development of a deeper understanding of the target culture.

Meets [NCAA Core Course Requirements](#)

**2229 - French IV H**

Grade 9 | Credits: 5

This is a vigorous course designed for the serious student of French. French IV H differs from French IV in that students study the language in greater depth. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students complete special projects designed to increase and demonstrate their French proficiency. Students who meet the prerequisites and who plan to take the Advanced Placement test in subsequent years are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)

## German

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### **2205 - German I**

Grade 8-9 | Credits: 5

Open to all students, this course is activity-centered with emphasis on speaking and listening. German is in constant use in the classroom. Students build working vocabulary, including common idioms and phrases and begin to learn precision in the use of words and grammatical structures. Students also learn elementary principles of reading and writing. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is German.

Meets [NCAA Core Course Requirements](#)

### **2234 - German II**

Grade 7 | Credits: 5

German II further develops the basic language skills with emphasis on communication in the language thus enabling students to apply what they have learned. Teachers give students the opportunity to continue in the progressive ability to communicate effectively in the new situations that they will encounter in German-speaking countries. Study of German culture is part of language practice.

Meets [NCAA Core Course Requirements](#)

### **2226 - German III**

Grades 8 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. Instruction is oriented towards the development of the students' more complete control of the communicative functions and structures addressed earlier. Students communicate meaning in realistic situations and use multicultural patterns found in the German language and traditions. Skills in the areas of listening, speaking, reading and writing the German language, as well as cultural understanding, are developed.

Meets [NCAA Core Course Requirements](#)

### **2237 - German IV H**

Grades 9 | Credits: 5

German IV H provides students the opportunity to study the spoken and written language in greater depth. Videos, oral presentations and outside readings are a regular part of the course. Students complete special projects designed to increase and demonstrate their German proficiency. This course is for students who want to increase their language proficiency and continue their study of

German culture. German IV H provides students the opportunity to study the language in greater depth. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students learn advanced grammatical structures needed to discuss, comprehend and compose within context. Readings of works from German-speaking countries serve as a springboard for discussion and compositions. Students complete special projects designed to increase and demonstrate their German proficiency.

Meets [NCAA Core Course Requirements](#)

## Italian

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### **2222 - Italian I**

Grade 8-9 | Credits: 5

Open to all students, this course is activity-centered with emphasis on speaking and listening. Italian is in constant use in the classroom. The building of a working vocabulary, including common idioms and phrases, is very important. Teachers also introduce precision in the use of words and grammatical structures. Students also learn elementary principles of reading and writing. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is Italian.

Meets [NCAA Core Course Requirements](#)

### **2227 - Italian II**

Grade 7 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. Instruction is oriented towards the development of students' more complete control of the communicative functions and structures addressed in the previous levels. Students communicate meaning in realistic situations and carry out functions that teachers embed with multicultural patterns found in the Italian language and traditions. Skills in the areas of listening, speaking, reading and writing the Italian language, as well as cultural understanding, are developed.

Meets [NCAA Core Course Requirements](#)

### **2228 - Italian III**

Grades 8 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. Instruction is oriented towards the development of students' more complete control of the communicative functions and structures addressed in the previous levels. Students communicate meaning in realistic situations and carry out functions that teachers embed with multicultural patterns found in the Italian language and traditions. Skills in the areas of listening, speaking, reading and

writing the Italian language, as well as cultural understanding, are developed.

Meets [NCAA Core Course Requirements](#)

## **2236 - Italian IV H**

Grades 9 | Credits: 5

Readings, oral presentations and videos are a regular part of the Italian IV H course. It continues situational and practical use of language while expanding language skills. Students review and apply grammatical principles in oral and written work. Opportunity for the development of a deeper understanding of the target culture is part of every lesson.

Meets [NCAA Core Course Requirements](#)

## **Mandarin**

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### **2238 - Mandarin I**

Grade 8 - 9 | Credits: 5

This course introduces students to Chinese culture and the basic skills in listening, speaking, reading, and writing in Simplified Mandarin. It is for students with no prior experience in the study and use of Mandarin. This course is activity-centered with emphasis on speaking and listening. Mandarin is in constant use in the classroom. Students build working vocabulary, including common idioms and phrases. In addition, the teacher introduces some areas of precision in the use of words and sentence structures. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is Mandarin.

Meets [NCAA Core Course Requirements](#)

### **2239 - Mandarin II**

Grade 8-9 | Credits: 5

This course is for students who have fulfilled the requirements of Mandarin I or come with some prior speaking and listening comprehension and an ability to write or type strings of sentences using Chinese characters. This course emphasizes the improvement of listening, speaking, reading, and writing in Simplified Mandarin. Students pay special attention to the introduction of reading and writing of Chinese characters. Mandarin is the language used in the classroom. Students continue to improve their working vocabulary along with additional common idioms and phrases. The teachers emphasize precision in the use of more words and grammatical structures. A study of Chinese culture is an integral part of this course.

Meets [NCAA Core Course Requirements](#)

**2240 - Mandarin III H**

Grade 9 | Credits: 5

This course is for students who have fulfilled the requirements of Mandarin II or come with prior speaking and listening comprehension and an ability to write or type in paragraph-length using Chinese characters. Instruction is oriented towards the development of the students' more complete control of the communicative functions and structures addressed in the previous levels. Simplified Mandarin is the language used in the classroom. Students communicate meaning in realistic situations and carry out functions that are necessary for multicultural patterns found in Chinese language and traditions.

Meets [NCAA Core Course Requirements](#)

**2241 - Mandarin IV H**

Grade 9 | Credits: 5

This is a rigorous course designed for the serious student of Mandarin. Videos, oral presentations and outside readings are a regular part of the course. Students complete special projects designed to increase and demonstrate their Mandarin linguistic and cultural proficiency. Students who meet the prerequisites and who plan to take the Advanced Placement test in subsequent years are encouraged to consider this course.

## East Brunswick High School Courses

### Spanish

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**1787 - World Cultures**

Grade 10-12 | Credits: 5

This course is designed to introduce students to the Spanish language and culture. World Cultures emphasizes very simple vocabulary applied in real-life scenarios so that students can speak and understand the language at the most basic level within predictable areas of need. Spanish culture is introduced to students through functional life-skills instruction as the students will be performing daily tasks and learning corresponding Spanish vocabulary.

**1230 - Spanish I**

Grade 10 – 12 | Credits: 5

This course is activity-centered with emphasis on speaking and listening. Spanish is in constant use in the classroom. The focus is on building a working vocabulary, including common idioms and phrases. Students learn words and very basic and relevant grammatical structures. Teachers also

introduce elementary principles of reading and writing. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is Spanish.

Meets [NCAA Core Course Requirements](#)

### **1231 - Spanish II**

Grade 10 – 12 | Credits: 5

Spanish II further develops the basic language skills with emphasis on communication in the language, thus enabling students to apply what they have learned. Teachers give students the opportunity to improve their ability to communicate effectively in new situations that they are likely to encounter in Spanish-speaking countries. While students learn language, they are simultaneously learning Spanish culture.

Meets [NCAA Core Course Requirements](#)

### **1232 - Spanish III**

Grade 10 – 12 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. The instruction in this course is oriented toward the development of students' more complete control of the communicative functions and structures addressed in previous levels. Students communicate meaning in realistic situations. Teachers embed student learning with multicultural patterns found in the Spanish language and cultural traditions. Students develop skills in the areas of listening, speaking, reading and writing the Spanish language. They also deepen their cultural understanding of the Spanish-speaking world.

Meets [NCAA Core Course Requirements](#)

### **1233 - Spanish IV**

Grade 10 – 12 | Credits: 5

Spanish IV continues the practical use of language while expanding language skills. Videos, oral presentations and outside readings are a part of the course. Teachers review grammatical principles in oral and written work and they provide opportunities for the development of a deeper understanding of the Spanish cultures.

Meets [NCAA Core Course Requirements](#)

### **1235 - Spanish IV H**

Grade 10 – 12 | Credits: 5

This is a vigorous course designed for the serious student of Spanish. Spanish IV Honors differs from Spanish IV in that students study the language in greater depth. Videos, oral presentations and outside readings are a regular part of the course. Students complete special projects designed to



increase and demonstrate their Spanish linguistic and cultural proficiency. Students who meet the prerequisites and who plan to take the Advanced Placement test in subsequent years are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)

### **1237 - Spanish V**

Grade 10 – 12 | Credits: 5 | [Dual-Credit Option](#)

This course is for students who are not interested in preparing for the Advanced Placement exam, but who want to increase their language proficiency and continue their study of Spanish culture. Videos, oral presentations, outside readings and interactive activity are a regular part of the course. Within the relevant context, students learn structures needed to discuss, comprehend and compose. Readings from Spanish-speaking countries serve as a springboard for discussion and compositions.

Meets [NCAA Core Course Requirements](#)

### **1238 - Spanish V H**

Grade 10 – 12 | Credits: 5 | [Dual-Credit Option](#)

This course is for students who want to increase their language proficiency and continue their study of Spanish culture. Spanish V H differs from Spanish V in that the students study the language in greater depth. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Advanced grammatical structures needed to discuss, comprehend, and compose are taught in context. Readings of works from Spanish-speaking countries serve as a springboard for discussion and compositions. Students complete special projects designed to increase and demonstrate their Spanish proficiency. Students who plan to take the Advanced Placement course the following year are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)

### **1239 - Spanish VI**

Grade 11 – 12 | Credits: 5

This course, a sequel to Spanish V, is designed for students who are interested in the Spanish language and culture without the rigors of Honors or AP. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Within the relevant context, students learn structures necessary to discuss, comprehend and compose. Readings from Spanish-speaking countries serve as a springboard for discussion and compositions.

Meets [NCAA Core Course Requirements](#)

### **1240 - Spanish VI H**

Grade 11 – 12 | Credits: 5 | [Dual-Credit Option](#)

This course, a sequel to Spanish V H or AP, is designed for students who wish to continue their study of Spanish language and cultures in countries where Spanish is spoken. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. The pace of this class is more rigorous than Level VI. Within the relevant context, students learn advanced structures necessary to discuss, comprehend and compose. Readings from Spanish-speaking countries serve as a springboard for discussion and compositions.

Meets [NCAA Core Course Requirements](#)

### **1890 - Spanish for Business H**

Grades 11 - 12 | Credits: 5

This course will introduce students to the opportunities available using Spanish in the business world and develop their skills to be successful in this environment. Students will study marketing, international commerce, negotiations, business plans, interpreting business documents and interviewing techniques. Spanish for Business Honors will provide students with real world use of Spanish . This course will develop students' Spanish proficiency interpreting information, communicating interpersonally and presenting information.

### **1891 - Spanish for the Medical Profession H**

Grades 11 - 12 | Credits: 5

This course will develop students' Spanish proficiency interpreting information, communicating interpersonally and presenting information at the pre-advanced level of the K-12 proficiency guidelines as defined by the American Council of the Teaching of Foreign Languages. This course will develop students' understanding of the use of Spanish in the public health and medical professions.

### **1242 - AP Spanish Language and Culture**

Grade 11 - 12 | Credits: 5 | [Dual-Credit Option](#)

This demanding course covers the equivalent of the third-year college course in advanced Spanish composition and conversation. There is a focus on advanced oral, listening, reading and grammatical skills. This course prepares the students for the Advanced Placement exam through intensive practice in hearing formal and informal Spanish, inviting expository passages, and in reading material from a wide range of literary sources. This course is a prerequisite for A.P. Spanish Literature.

Meets [NCAA Core Course Requirements](#)

## French

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### **1200 - French I**

Grade 10 | Credits: 5

Open to all students, the course is activity-centered with an emphasis on speaking and listening. French is in constant use in the classroom. Students build working vocabulary, including common idioms and phrases. Students begin to learn words, phrases and grammatical structures. Students also learn elementary principles of reading and writing. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is French.

Meets [NCAA Core Course Requirements](#)

### **1201 - French II**

Grade 10 | Credits: 5

French II further develops the basic language skills with emphasis on communication in the language, thus enabling students to apply what they have learned. Students have the opportunity to continue in the progressive ability to communicate effectively in new situations that students will encounter in French-speaking countries. Study of French culture in language practice is part of every lesson.

Meets [NCAA Core Course Requirements](#)

### **1202 - French III**

Grade 10 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. Instruction is oriented toward the development of students' more complete control of the communicative functions and structures addressed in previous levels. Students communicate meaning in realistic situations and carry out functions with multicultural patterns found in the French language and cultural traditions. Skills in the areas of interpreting information, communicating interpersonally and presenting information as well as cultural understanding, are developed.

Meets [NCAA Core Course Requirements](#)

### **1203 - French IV**

Grade 11 | Credits: 5

French IV continues the situational/practical use of language while expanding language skills. Videos, oral presentations and outside readings are a regular part of the course. Students review grammatical principles as they relate to oral and written work. Students have opportunities for the development of a deeper understanding of the target culture.

Meets [NCAA Core Course Requirements](#)

### **1204 - French IV H**

Grade 11 | Credits: 5

This is a vigorous course designed for the serious student of French. French IV H differs from French IV in that students study the language in greater depth. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students complete special projects designed to increase and demonstrate their French proficiency. Students who meet the prerequisites and who plan to take the Advanced Placement test in subsequent years are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)

### **1205 - French V**

Grade 10, 12 | Credits: 5

This course is for students who are not interested in preparing for the Advanced Placement exam at this time, but who want to increase their language proficiency and continue their study of French culture. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students learn structures needed to discuss, comprehend and compose in context. Readings of works from French-speaking countries serve as a springboard for discussion and compositions.

Meets [NCAA Core Course Requirements](#)

### **1206 - French V H**

Grades 10, 12 | Credits: 5 | [Dual-Credit Option](#)

This course is for students who want to increase their language proficiency and continue their study of French culture. French V H differs from French V in that the students study the language in greater depth. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students learn advanced grammatical structures needed to discuss, comprehend and compose in context. Readings of works from French-speaking countries serve as a springboard for discussion and compositions. Students complete special projects designed to increase and demonstrate their French proficiency. Students who plan to take the Advanced Placement course the following year are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)

**1208 - French VI**

Grades 11, 12 | Credits: 5

This course, a sequel to French V, is designed for students who are interested in the French language and culture without the rigors of Honors or AP. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Within the relevant context, students learn structures necessary to discuss, comprehend and compose. Readings from French-speaking countries serve as a springboard for discussion and compositions.

Meets [NCAA Core Course Requirements](#)**1207 - French VI H**Grades 11, 12 | Credits: 5 | [Dual-Credit Option](#)

This course, a sequel to French V H or AP, is designed for students who wish to continue their study of French language and cultures in countries where French is spoken. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. The pace of this class is more rigorous than Level VI. Within the relevant context, students learn advanced structures necessary to discuss, comprehend and compose. Readings from French -speaking countries serve as a springboard for discussion and compositions.

Meets [NCAA Core Course Requirements](#)**1226 - French for Business H**

Grades 11, 12 | Credits: 5

This course will introduce students to the opportunities available using French in the business world and develop their skills to be successful in this environment. Students will study marketing, international commerce, negotiations, business plans, interpreting business documents and interviewing techniques. French for Business Honors provides students with real world use of French. This course will develop students' French proficiency interpreting information, communicating interpersonally and presenting information.

**1209 - AP French Language and Culture**Grades 11, 12 | Credits: 5 | [Dual-Credit Option](#)

This demanding course covers the equivalent of a third-year college course in advanced French composition and conversation stressing advanced oral, listening, reading and grammatical skills. Students prepare for the Advanced Placement exam through intensive practice in hearing formal and informal French, in writing expository passages, and in reading material from a wide range of literary sources. Meets [NCAA Core Course Requirements](#)

## German

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East Brunswick Public Schools' German Program earned the AATG CENTER OF EXCELLENCE certification.

In 2017-2018, the American Association of Teachers of German recognized East Brunswick Public School's German Program at HMS, CJHS and EBHS as a German Center of Excellence. Our program is the only German program in the state of NJ to receive this certification.

### **1210 - German I**

Grade 10 - 12 | Credits: 5

Open to all students, this course is activity-centered with emphasis on speaking and listening. German is in constant use in the classroom. Students build working vocabulary, including common idioms and phrases and begin to learn precision in the use of words and grammatical structures. Students also learn elementary principles of reading and writing. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is German. Meets [NCAA Core Course Requirements](#)

### **1211 - German II**

Grade 10 – 12 | Credits: 5

German II further develops the basic language skills with emphasis on communication in the language thus enabling students to apply what they have learned. Teachers give students the opportunity to continue in the progressive ability to communicate effectively in the new situations that they will encounter in German-speaking countries. Study of German culture is part of language practice.

Meets [NCAA Core Course Requirements](#)

### **1212 - German III**

Grades 10 – 12 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. Instruction is oriented towards the development of the students' more complete control of the communicative functions and structures addressed earlier. Students communicate meaning in realistic situations and use multicultural patterns found in the German language and traditions. Skills in the areas of listening, speaking, reading and writing the German language, as well as cultural understanding, are developed.

Meets [NCAA Core Course Requirements](#)

**1213 - German IV H**

Grades 10 – 12 | Credits: 5

German IV H provides students the opportunity to study the spoken and written language in greater depth. Videos, oral presentations and outside readings are a regular part of the course. Students complete special projects designed to increase and demonstrate their German proficiency. This course is for students who want to increase their language proficiency and continue their study of German culture. German IV H provides students the opportunity to study the language in greater depth. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students learn advanced grammatical structures needed to discuss, comprehend and compose within context. Readings of works from German-speaking countries serve as a springboard for discussion and compositions. Students complete special projects designed to increase and demonstrate their German proficiency.

Meets [NCAA Core Course Requirements](#)**1214 - German V H**Grades 10 – 12 | Credits: 5 | [Dual-Credit Option](#)

This course is for students who want to increase their language proficiency and continue their study of German culture. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students learn advanced grammatical structures needed to discuss, comprehend and compose in context. Readings of works from German-speaking countries serve as a springboard for discussion and compositions. Students complete special projects designed to increase and demonstrate their German proficiency. Students who plan to take the Advanced Placement course in a subsequent year are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)**1223 - German VI H**Grades 10 – 12 | Credits: 5 | [Dual-Credit Option](#)

This course is for students who want to increase their language proficiency and continue their study of German culture. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students learn advanced grammatical structures needed to discuss, comprehend and compose in context. Readings of works from German-speaking countries serve as a springboard for discussion and compositions. Students complete special projects designed to increase and demonstrate their German proficiency. Students who plan to take the Advanced Placement course in a subsequent year are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)

## **1224 - Germany in the 21st Century Honors**

Grades 11, 12 | Credits: 5

This course will examine the influence of 21st Century Germany on the world stage, preparing students for global citizenship. Students will develop abilities in interpretive, interpersonal and presentational modes of communication. They will use German in meaningful contexts in a variety of activities. Course materials include videos, short articles, movies, statistics, podcasts, advertisements and songs, providing students with varied perspectives on German business, pop-culture, STEM, and current events.

Meets [NCAA Core Course Requirements](#)

## **1225 – Contemporary German Issues Honors**

Grades 11, 12 | Credits: 5

This course will examine contemporary issues in Germany. It is for students who want to deepen their language and cultural proficiency. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students learn advanced structures necessary to discuss, comprehend and compose in context. Readings from German-speaking countries serve as a springboard for discussion and compositions. Course materials include videos, short articles, movies, statistics, podcasts, advertisements and songs.

Meets [NCAA Core Course Requirements](#)

## **1215 - AP German Language and Culture**

Grades 11, 12 | Credits: 5 | [Dual-Credit Option](#)

This demanding course covers the equivalent of the third-year college course in advanced German composition and conversation. There is a focus on stressing advanced oral, listening, reading and grammatical skills. This course prepares the students for the Advanced Placement exam through intensive practice in hearing formal and informal German, inviting expository passages, and in reading material from a wide range of literary sources.

Meets [NCAA Core Course Requirements](#)

## **Italian**

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### **1216 - Italian I**

Grade 10 | Credits: 5

Open to all students, this course is activity-centered with emphasis on speaking and listening. Italian is in constant use in the classroom. The building of a working vocabulary, including common idioms and phrases, is very important. Teachers also introduce precision in the use of words and



grammatical structures. Students also learn elementary principles of reading and writing. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is Italian.

Meets [NCAA Core Course Requirements](#)

### **1217 - Italian II**

Grades 10-12 | Credits: 5

Italian II further develops the basic language skills with emphasis on communication in the language, thus enabling students to apply what they have learned. Students have the opportunity to continue in the progressive ability to communicate effectively in new situations that they will encounter in Italian-speaking countries. Study of Italian culture is part of language practice.

Meets [NCAA Core Course Requirements](#)

### **1218 - Italian III**

Grade 10 | Credits: 5

Students have the opportunity to enhance the language skills learned in levels one and two. Instruction is oriented towards the development of students' more complete control of the communicative functions and structures addressed in the previous levels. Students communicate meaning in realistic situations and carry out functions that teachers embed with multicultural patterns found in the Italian language and traditions. Skills in the areas of listening, speaking, reading and writing the Italian language, as well as cultural understanding, are developed.

Meets [NCAA Core Course Requirements](#)

### **1219 - Italian IV H**

Grades 9, 11 | Credits: 5

Readings, oral presentations and videos are a regular part of the Italian IV H course. It continues situational and practical use of language while expanding language skills. Students review and apply grammatical principles in oral and written work. Opportunity for the development of a deeper understanding of the target culture is part of every lesson.

Meets [NCAA Core Course Requirements](#)

### **1220 - Italian V H**

Grades 10, 12 | Credits: 5 | [Dual-Credit Option](#)

This course is for students who want to increase their language proficiency and continue their study of Italian language and culture. Readings, oral presentations, videos and interactive activities are a regular part of the course. Students learn structures needed to discuss, comprehend and compose in

context. Readings of works from Italian-speaking countries serve as a springboard for discussion and compositions. Students who plan to take the Advanced Placement course the following year are encouraged to consider this course.

Meets [NCAA Core Course Requirements](#)

### **1221 - Italian VI H**

Grades 11, 12 | Credits: 5 | [Dual-Credit Option](#)

This course, a sequel to Italian V H or AP, is designed for students who wish to continue their study of Italian language and cultures in countries where Italian is spoken. Videos, oral presentations, outside readings and interactive activities are a regular part of the course. Students learn advanced structures necessary to discuss, comprehend and compose within cultural context. Readings from Italian-speaking countries serve as a springboard for discussion and compositions.

Meets [NCAA Core Course Requirements](#)

### **1247 - Made in Italy: Food, Fashion and STEAM H**

Grades 11, 12 | Credits: 5 | Availability Based on Sufficient Enrollment

This course, a sequel to Italian VI H or AP, is designed for students who wish to continue their study of Italian language and cultures in countries where Italian is spoken. This course will examine the influence of the Made-in-Italy brand, a symbol of some of the most coveted foods and products from around the world. This course will tour the various regions of Italy and examine the foods, products and businesses for which they are most famous. It will give students a good understanding of the businesses that revolve around Italian products both in the United States and in Italy and help prepare them for careers in the USA where knowledge of Italian language and culture is important.

Meets [NCAA Core Course Requirements](#)

### **1222 - AP Italian Language and Culture**

Grades 11, 12 | Credits: 5 | [Dual-Credit Option](#)

This demanding course covers the equivalent of the third-year college course in advanced Italian composition and conversation. It stresses advanced oral, listening, reading and grammatical skills. This course prepares the students for the Advanced Placement exam through intensive practice in hearing formal and informal Italian, inviting expository passages, and in reading material from a wide range of literary sources.

Meets [NCAA Core Course Requirements](#)

## Mandarin

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### **1227 - Mandarin I**

Grade 10 – 12 | Credits: 5

This course introduces students to Chinese culture and the basic skills in listening, speaking, reading, and writing in Simplified Mandarin. It is for students with no prior experience in the study and use of Mandarin. This course is activity-centered with emphasis on speaking and listening. Mandarin is in constant use in the classroom. Students build working vocabulary, including common idioms and phrases. In addition, the teacher introduces some areas of precision in the use of words and sentence structures. Interest is also stimulated through the study of the customs and day-to-day activities of people whose native language is Mandarin.

Meets [NCAA Core Course Requirements](#)

### **1228 - Mandarin II**

Grade 10 – 12 | Credits: 5

This course is for students who have fulfilled the requirements of Mandarin I or come with some prior speaking and listening comprehension and an ability to write or type strings of sentences using Chinese characters. This course emphasizes the improvement of listening, speaking, reading, and writing in Simplified Mandarin. Students pay special attention to the introduction of reading and writing of Chinese characters. Mandarin is the language used in the classroom. Students continue to improve their working vocabulary along with additional common idioms and phrases. The teachers emphasize precision in the use of more words and grammatical structures. A study of Chinese culture is an integral part of this course.

Meets [NCAA Core Course Requirements](#)

### **1229 - Mandarin III H**

Grade 10 – 12 | Credits: 5

This course is for students who have fulfilled the requirements of Mandarin II or come with prior speaking and listening comprehension and an ability to write or type in paragraph-length using Chinese characters. Instruction is oriented towards the development of the students' more complete control of the communicative functions and structures addressed in the previous levels. Simplified Mandarin is the language used in the classroom. Students communicate meaning in realistic situations and carry out functions that are necessary for multicultural patterns found in Chinese language and traditions.

Meets [NCAA Core Course Requirements](#)

### **1234 - Mandarin IV H**

Grade 10 – 12 | Credits: 5

This course is for students who have fulfilled the requirements of Mandarin III H or come with prior speaking and listening comprehension and an ability to write or type in paragraph-length using Simplified Chinese characters. Instruction is oriented towards the development of the students' more complete control of the communicative functions and structures addressed in the Mandarin III H. Students communicate meaning in realistic situations and carry out functions that are necessary for multicultural patterns found in Chinese language and traditions. Students will demonstrate, through multiple forms of assessments, their ability to communicate in the target language within the intermediate low range in the interpretive, interpersonal and presentational modes of communication. Meets [NCAA Core Course Requirements](#)

### **1248 - Mandarin V H**

Grade 10 – 12 | Credits: 5

This course is for students who have fulfilled the requirements of Mandarin IV H or come with prior speaking and listening comprehension and an ability to write or type in paragraph-length using Simplified Chinese characters. Instruction is oriented towards the development of the students' more complete control of the communicative functions and structures addressed in the Mandarin IV H. Students communicate meaning in realistic situations and carry out functions that are necessary for multicultural patterns found in Chinese language and traditions. Students will demonstrate, through multiple forms of assessments, their ability to communicate in the target language within the intermediate low range in the interpretive, interpersonal and presentational modes of communication. Meets [NCAA Core Course Requirements](#)

### **1236 - AP Chinese Language and Culture**

Grade 11 – 12 | Credits: 5

The course is to prepare students for the AP Mandarin Language and Culture Exam. The teacher places an emphasis on developing a high level of proficiency in the spoken and written language, in formal and conversational situations, using appropriate vocabulary and grammatical structures. This course continues to develop students' interpersonal, interpretive and presentational language competencies that students use for a variety of communicative and cultural functions. Students will continue to compare and contrast the target language and culture with their own, thus enhancing students' insights into the nature of language and culture. The AP course is for highly skilled, highly motivated students with an outstanding background in Mandarin language. Students are encouraged to take the AP Mandarin Language Examination. Meets [NCAA Core Course Requirements](#)

## Alternative Programs

Alternative Programs are designed to allow students to engage in experiences not typically offered in the district. Please see below for current offerings.

### College Credit Options

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#### Middlesex County Dual Enrollment and High School Scholars

The Dual Enrollment program allows for students to obtain college credit through Middlesex County College for courses they are taking in the district. There are over 40 college courses offered in conjunction with 30 High School courses, providing students with an opportunity to begin their college experiences with credits.

The High School Scholars program allows students to obtain up to 8 college credits for courses not offered in the district. Students in this program cannot earn High School credit at the same time as taking the Middlesex County Course.

For more information, please see the section "Dual Enrollment Program for College Credit 2022-2023".

### Career Internship

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#### Career Internship

Grade 12 | For Seniors Only | 10 – 10 or 10 – 5/5 - 5 or 5 – 2.5

The Career Internship program provides an opportunity for students to gain hands-on experiences in a career field they may enter. Students are placed in a business or industry and report there on a regular basis from 5 to 10 hours a week for one or both semesters. Interning may take place either during or after the school day. Interns have learning experiences that provide insight into the career field. Students must provide their own transportation to the site and may not receive a salary for their time. Course requirements include regular attendance, group seminars, a daily log, and a term project. Additional information and program applications are available in the Career Center.

### Study Hall Options

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#### 1800 - Supervised Study Hall

Students may select a supervised Study Hall as a part of their schedule. Students enrolled in study hall will be required to bring work to complete or reading material to read for the full period.

#### 1850 - Senior AM Study Hall

Open to Seniors only

Students enrolled in this first period study hall will be required to sign in to the cafeteria by 8:00 A.M. each day. A contract will be completed on the first day of school with the parameters for maintaining this “senior privilege.”

### **1860 - Senior PM Study Hall**

Open to Seniors only

Students enrolled in this 12th period study hall will be permitted to leave school following period 11 provided they are not involved in any after-school sports, activities or clubs. Students will not be permitted to leave and return if enrolled in this study hall. A contract will be completed on the first day of school with the parameters for maintaining this “senior privilege.”

Seniors with either Late In or Early Out will not be able to have any additional study halls in order to fulfill the 35 credit requirement.



## Dual-Enrollment EBHS and MC Course List

Please visit the [EBHS|MCC Pathways Dual-Enrollment Program page](#) for specific information on the registration and application process.

### ENGLISH

<b>EBHS Course Name</b>	<b>MC Fall/Full Year Course [Credits]</b>	<b>MC Spring Course [Credits]</b>
College Writing H	ENG-121 [3]	ENG-122 [3]
English 12		ENG 121-[3]

### ARTS EDUCATION

<b>EBHS Course Name</b>	<b>MC Fall/Full Year Course [Credits]</b>	<b>MC Spring Course [Credits]</b>
AP Music Theory	MUS-201 [3]	MUS-202 [3]

### WORLD LANGUAGE\*\*

<b>EBHS Course Name</b>	<b>MC Fall/Full Year Course [Credits]</b>	<b>MC Spring Course [Credits]</b>
Italian V H	ITA-121 [3]	ITA-122 [3]
Italian VI H	ITA-221 [3]	ITA-222 [3]
AP Italian Language and Culture	ITA-221 [3]	ITA-222 [3]
German V H	GER-121 [3]	GER-122 [3]
German VI H	GER-221 [3]	GER-222 [3]
AP German Language and Culture	GER-221 [3]	GER-222 [3]
Spanish V H	SPA-121 [3]	SPA-122 [3]



Spanish VI H	SPA-221[3]	SPA-222 [3]
AP Spanish Language	SPA-221 [3]	SPA-222 [3]
French V H	FRE-121 [3]	FRE-122 [3]
French VI H	FRE-221 [3]	FRE-222 [3]
AP French Language and Culture	FRE-221 [3]	FRE-222 [3]

## MATHEMATICS

<b>EBHS Course Name</b>	<b>MC Fall/Full Year Course [Credits]</b>
Calculus H	MAT-131 [4]
Calculus II H	MAT-132 [4]
Calculus III H	MAT-233 [4]
Statistics H	MAT-123 [3]

## SCIENCE

<b>EBHS Course Name</b>	<b>MC Fall/Full Year Course [Credits]</b>	<b>MC Spring Course [Credits]</b>
AP Biology	BIO-123 [3]	BIO-124 [3]
Anatomy and Physiology H	BIO-111 [4]	BIO-112 [4]
Physics H	PHY-123/125 [4]	PHY-124/126 [4]
Chemistry H	CHM-121 and CHM-125 [4]	CHM-122 and CHM-126 [4]

## TECHNOLOGY

<b>EBHS Course Name</b>	<b>MC Fall/Full Year Course [Credits]</b>	<b>MC Spring Course [Credits]</b>
AP Computer Science	CSC-161 [4]	CSC-162 [4]
AP Computer Science Principles	CSC-105 [3]	

## BUSINESS

<b>EBHS Course Name</b>	<b>MC Fall/Full Year Course [Credits]</b>
Accounting 101 H	ACC-101 [4]

## HISTORY AND COMMUNICATION

<b>EBHS Course Name</b>	<b>MC Fall/Full Year Course [Credits]</b>	<b>MC Spring Course [Credits]</b>
IPLE H (Institute for Political and Legal Education)	POS-220 [3]	
Psychology II H (Semester Course) <sup>***</sup>	PSY-123 [3] OR	PSY-123 [3]
Genocide in the Modern World (Semester Course) <sup>***</sup>	HIS-260 [3] OR	HIS-260 [3]
Public Speaking (Semester Course) <sup>***</sup>	SPE-121 [3] OR	SPE-121 [3]

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Please visit the Middlesex County College website for more information about MCC courses:

<https://www.middlesexcc.edu/>

\*This list is subject to change based on EBHS Faculty eligibility for MCC Adjunct Professor status

\*\*Please note that the Level VI H and AP Language and Culture level of world languages are both associated with the Level 221 and 222 courses at Middlesex College.

\*\*\*EBHS semester courses align with either the fall or spring MCC course, and must enroll during the semester that a student is enrolled. Students enrolled in a semester 1 course must register for the fall MCC course. Students enrolled in semester 2 courses must register for the spring MCC course.

## Course Placement Criteria

### 2022-2023

- In all content areas, in order to move from the academic to the honors level of a course, students must have a final grade of at least 90% in the academic course (s).
- In all content areas, in order to remain in an honors/advanced placement level, students must have a final grade of at least 70% in the honors/advanced placement level course.

## English Department

### REVISED Honors English Placement Matrix

For students moving from Academic English to Honors English

Language Arts 6 to English 7 Honors	Language Arts 7 to English 8 Honors	English 8 to English 9 Honors	English 9 to English 10 Honors	English 10 to English 11 Honors	English 11 to College Writing Honors
<p><i>Students must meet the following <u>three</u> requirements:</i></p> <ul style="list-style-type: none"> <li>● Minimum final grade of an <b><u>A- (90%)</u></b></li> <li>● MP3- W or above on TCRWP Running Record</li> <li>● MP3- 33 or above on Post Writing On-Demand</li> </ul>	<p><i>Students must meet the minimum final grade requirement of an</i></p> <p style="text-align: center;"><b><u>A- (90%)</u></b></p>	<p><i>Students must meet the minimum final grade requirement of an</i></p> <p style="text-align: center;"><b><u>A- (90%)</u></b></p>	<p><i>Students must meet the minimum final grade requirement of an</i></p> <p style="text-align: center;"><b><u>A- (90%)</u></b></p>	<p><i>Students must meet the minimum final grade requirement of an</i></p> <p style="text-align: center;"><b><u>A- (90%)</u></b></p>	<p><i>Students must meet the minimum final grade requirement of a</i></p> <p style="text-align: center;"><b><u>B+ (86%)**</u></b></p>

*\*\*If a student does not meet the minimum final grade requirement for College Writing Honors, he/she may send an email to the English Department Chair to review course expectations and student assessments. These assessments may include but are not limited to: PSAT/SAT scores, writing samples, common assessments, midterms/finals, etc.*

*\*Please note: Students in Read Write will only be eligible to take Honors English after they have first demonstrated success in a full year of Academic English without a basic skills support class.*

## AP English Placement Matrix

For students moving from Honors English to AP English

<b>English 10 Honors to API: Language and Composition</b>	<b>English 11 Honors to APII: Literature and Composition</b>
<i>Students must meet the minimum final grade requirement of a <b>B+</b> (86%).</i>	<i>Students must meet the minimum final grade requirement of a <b>B+</b> (86%).</i>

### Prerequisites for remaining in an Honors or AP English Course

Verbal Gate 7 to English 8 Honors	English 8 Honors to English 9 Honors	English 9 Honors to English 10 Honors	English 10 Honors to English 11 Honors	English 11 Honors to College Writing Honors	API: Language & Composition to APII: Literature & Composition
Minimum C- (70%) Final Grade in Verbal Gate 7	Minimum C- (70%) Final Grade in English 8H	Minimum C- (70%) Final Grade in English 9H	Minimum C- (70%) Final Grade in English 10H	Minimum C- (70%) Final Grade in English 11H	Minimum C- (70%) Final Grade in API: Language & Composition

### AP Electives English Placement Matrix

Course	Prerequisite
<b>AP Seminar</b>	<p><b><i>For incoming 11th grade students:</i></b>                      A final grade of B+ (86%) or higher in English 10 or a final grade of C- (70%) or higher in English 10 Honors  <b>AND</b>                      A final grade of B+ (86%) or higher in US II or final grade of C- (70%) or higher in US II Honors or APUSH</p> <p><b><i>For incoming 12th grade students:</i></b>                      A final grade of B+ (86%) or higher in English 11 or a final grade of C- (70%) or higher in English 11 Honors or AP Language  <b>AND</b>                      A final grade of B+ (86%) or higher in World History or final grade of C- (70%) or higher in World History Honors or AP World</p>

## Mathematics Department

### Grade 7 Math Placement

Sixth Grade Math to Seventh Grade Math		
Pre-Algebra	Pre-Algebra Honors	Algebra I Honors
For students who received a final course grade below 90% in Math 6. <b>OR</b> For students who received a final course grade below 70% in Math Prime.	For students who received a final course grade in the 90% - 97% range in Math 6. <b>OR</b> For students who received a final course grade in the 70% - 85% range in Math Prime.	For students who received a final course grade of at least 86% in Math Prime. <b>OR</b> For students who received a final course grade of at least 98% in Math 6.
		Math 7
		Placement will be based on department criteria and student data.

### Grade 8 Math Placement

Seventh Grade Math to Eighth Grade Math		
Algebra I	Algebra I Honors	Geo w Trig Honors
For students who received a final course grade below 90% in Pre-Algebra. <b>OR</b> For students who received a final course grade below 70% in Pre Algebra Honors	For students who received a final course grade of at least 90% in Pre-Algebra. <b>OR</b> For students who received a final course grade of at least 70% in Pre Algebra Honors.	For students who received a final course grade of at least 70% in Algebra I Honors.
Geo w Trig	Pre-Algebra	
For students who received a final course grade below 70% in Algebra I Honors.	For students who did not demonstrate grade-level proficiency in Pre-Algebra in Grade 7.	

**Math Honors Placement Matrix**  
**For students moving from Academic Math Classes to Honors Math Classes**

LEVEL CHANGE REQUIREMENTS 2022-2023 Grades 8-12 Placement			
Algebra I to Geometry W/Trigonometry H	Geometry w Trig to Algebra II H	Algebra II ACC to Pre-Calculus W Limits H	Pre-Calculus ACC (formerly Precalculus) to AP Calculus AB
Students must earn a minimum <u>final course grade of 90</u> in Algebra I	Students must earn a minimum final course grade of 90 in Algebra I AND a minimum <u>final course grade of 90</u> in Geometry W/Trig	Students must earn a minimum <u>final course grade of 90</u> in Algebra II ACC	Students must earn a minimum <u>final course grade of 90</u> in Pre-Calculus

**Mathematics Prerequisite Grade Requirements for Placement**

CURRENT COURSE	A+/A/A-	B+/B/B-	C+/ C/ C-	D+/ D/D-	F
<b>ALGEBRA I (2176/1155)</b>	GEOMETRY W/ TRIG H -2173 For students entering Grade 9 GEOMETRY W/ TRIG-1159 For students entering Grade 10	GEOMETRY W/ TRIG -2172 For students entering Grade 9 GEOMETRY W/TRIG-1159 For students entering Grade 10	GEOMETRY W/ TRIG -2172 For students entering Grade 9 GEOMETRY W/ TRIG-1159 For students entering Grade 10	GEOMETRY W/ TRIG -2172 For students entering Grade 9 GEOMETRY W/ TRIG-1159 For students entering Grade 10	ALGEBRA I
<b>ALGEBRA I H (2170) CJHS (3164) HMS</b>	GEOMETRY W/ TRIG H -2173 For students entering Grade 8 or 9 GEOMETRY W/ TRIG-1159 For students entering Grade 10	GEOMETRY W/ TRIG H -2173 For students entering Grade 8 or 9 GEOMETRY W/ TRIG-1159 For students entering Grade 10	GEOMETRY W/ TRIG H -2173 For students entering Grade 8 or 9 GEOMETRY W/ TRIG-1159 For students entering Grade 10	GEOMETRY W/ TRIG -2172 For students entering Grade 9 GEOMETRY W/ TRIG-1159 For students entering Grade 10	ALGEBRA I
<b>GEOMETRY W/ TRIG H-2173</b>	ALGEBRA II H-2171 For students entering Grade 9  ALGEBRA II H-1162 For students entering Grade 10	ALGEBRA II H-2171 For students entering Grade 9  ALGEBRA II H-1162 For students entering Grade 10	ALGEBRA II H-2171 For students entering Grade 9  ALGEBRA II H-1162 For students entering Grade 10	CONTACT DC	GEOMETRY W/ TRIG
<b>GEOMETRY W/TRIG-2172, 1159</b>	Students MUST also have a minimum of 90 in	Students MUST also have a minimum of 80 in	ALGEBRA II-1167	If a Junior also had a lower than C- In ALGEBRA I Course then:	GEOMETRY W/ TRIG

	ALGEBRA I Course:  ALGEBRA II H-1162 For students entering EBHS	ALGEBRA I Course:  ALGEBRA II ACC-1160 For students entering EBHS  Otherwise ALGEBRA II-1167		ALGEBRA II-1167 and Lab	
<b>CURRENT COURSE</b>	<b>A+/A/A-</b>	<b>B+/B/B-</b>	<b>C+/ C/ C-</b>	<b>D+/ D/D-</b>	<b>F</b>
<b>ALGEBRA II-1167 + LAB-1157</b>	PRE-CALCULUS-1 158 (Old AAT) OR PRE-CALCULUS ACC (Only if the student didn't have Alg II Lab)	PRE-CALCULUS-1 158 (Old AAT)	PRE-CALCULUS-1 158 (Old AAT)	PRE-CALCULUS-1 158 ( Old AAT) (Rising Juniors)  OR FCM-1169 (Rising Seniors)	ALGEBRA II +LAB*
<b>ALGEBRA II ACC-1160</b>	PRECALC W/LIMITS H-1163	PRE-CALCULUS ACC- 1161( Old Precalc)	PRE-CALCULUS ACC -1161(Old Precalc)	PRE-CALCULUS-1 158 (Old AAT)	CONTACT DC
<b>ALGEBRA II Honors-1162</b>	PRECALC W/LIMITS H-1163	PRECALC W/LIMITS H-1163	PRECALC W/LIMITS H-1163	PRE-CALCULUS ACC- 1161(Old Precalc)	ALGEBRA II
<b>PRE-CALCULUS - ( Old AAT) -1158</b>	STATISTICS H-1180 (need to have met the graduation req.)  *This is an elective and can't be dropped and there is no level change option for this course	STATISTICS H-1180 ( need to have met the graduation req.)  *This is an elective and can't be dropped and there is no level change option for this course	FUNDAMENTALS OF COLLEGE MATH	FUNDAMENTALS OF COLLEGE MATH	PRE-CALCULUS -1158 (Old AAT)
<b>CURRENT COURSE</b>	<b>A+/A/A-</b>	<b>B+/B/B-</b>	<b>C+/ C/ C-</b>	<b>D+/ D/D-</b>	<b>F</b>
<b>PRE-CALCULUS ACC (Old Pre-Calculus) - 1161</b>	STATISTICS H-1180 ( need to have met the graduation req.) OR CALCULUS H-1168 ( need to have met the graduation req.) OR AP STATISTICS-1166	CALCULUS H-1168 ( need to have met the graduation req.)  *This is an elective and can't be dropped and their is no level change option for this course OR	STATISTICS H-1180 ( need to have met the graduation req.)  *This is an elective and can't be dropped and their is no level change option for this course	CONTACT DC	PRE-CALCULUS -1158 (Old AAT)

	<p>OR AP CALC AB-1164 OR Calc H and Stat H only doubling option. Both these courses are electives and can't be dropped and there is no level change option.</p>	<p>STATISTICS H-1180 ( need to have met the graduation req.)  *This is an elective and can't be dropped and their is no level change option for this course</p>			
<b>CURRENT COURSE</b>	<b>A+/A/A-</b>	<b>B+/B/B-</b>	<b>C+/ C/ C-</b>	<b>D+/ D/D-</b>	<b>F</b>
<b>PRECALC W/LIMITS H-1163</b>	<p>AP CALC AB-1164 OR AP CALC BC-1165 OR AP STATISTICS-1166 OR Double with AP CALC AB and AP STAT Only</p>	<p>AP CALC BC-1165 OR AP CALC AB-1164 OR AP STATISTICS-1166 OR Double with AP CALC AB and AP STAT Only</p>	<p>*STATISTICS H-1180 ( need to have met the graduation req.)  *This is an elective and can't be dropped and their is no level change option for this course OR *CALCULUS H-1168 ( need to have met the graduation req.) *This is an elective and can't be dropped and their is no level change option for this course OR AP CALC AB</p>	<p>*STATISTICS H-1180 ( need to have met the graduation req.) *This is an elective and can't be dropped and their is no level change option for this course OR *CALCULUS H-1168 ( need to have met the graduation req.) *This is an elective and can't be dropped and their is no level change option for this course</p>	PRECALC ACC
<b>CALCULUS H</b>	<p>*STATISTICS H-1180 ( need to have met the graduation req.)  *This is an elective and can't be dropped and there is no level change option for this course OR AP STATISTICS-1166 OR *CALC II H-1183 *This is an elective and can't be dropped and there is no level change</p>	<p>*STATISTICS H-1180 ( need to have met the graduation req.)  *This is an elective and can't be dropped and there is no level change option for this course OR AP STATISTICS-1166 OR *CALC II H-1183 *This is an elective and can't be dropped and there is no level change</p>	<p>*STATISTICS H-1180 (need to have met the graduation req.)  *This is an elective and can't be dropped and there is no level change option for this course OR *CALC II H-1183 ( need to have met the graduation req.)  *This is an elective and can't be dropped and there is no level change</p>	<p>*STATISTICS H-1180 (need to have met the graduation req.)  *This is an elective and can't be dropped and there is no level change option for this course</p>	<p>*CALC H (need to have met the graduation req.)  *This is an elective and can't be dropped and there is no level change option for this course</p>



	<p>option for this course</p> <p>OR</p> <p>Double with AP stat and Calc II H</p> <p>OR</p> <p>Double with stat H and Calc II H</p> <p>* Stat H and Calc IIH are electives and can't be dropped and there is no level change option for them</p>	<p>option for this course</p> <p>OR</p> <p>Double with stat H and Calc II H only</p> <p>*Both courses are elective and can't be dropped and there is no level change option available for them</p>	<p>option for this course</p>		
<b>CURRENT COURSE</b>	<b>A+/A/A-</b>	<b>B+/B/B-</b>	<b>C+/ C/ C-</b>	<b>D+/ D/D-</b>	<b>F</b>
<b>AP CALC AB</b>	<p>*STATISTICS H-1180 ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p> <p>OR</p> <p>AP STATISTICS-1166 *CALC II H-1183 ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p> <p>OR</p> <p>Double in AP STAT/STAT H &amp; CALC IIIH</p> <p>CALC II H and STAT H can't be dropped and have no level change option available</p>	<p>*STATISTICS H-1180 ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p> <p>OR</p> <p>AP STATISTICS-1166 OR *CALC II H-1183 ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p> <p>OR</p> <p>Double in AP STAT/STAT H &amp; CALC IIIH</p> <p>CALC III H and STAT H can't be dropped and have no level change option available</p>	<p>STATISTICS H-1180 ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p> <p>OR</p> <p>AP STATISTICS-1166 OR CALC II H-1183 ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p>	<p>STATISTICS H-1180 ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p>	<p>CALC H ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p>
<b>CURRENT COURSE</b>	<b>A+/A/A-</b>	<b>B+/B/B-</b>	<b>C+/ C/ C-</b>	<b>D+/ D/D-</b>	<b>F</b>

<p><b>AP CALC BC</b></p>	<p>AP STATISTICS-1166 CALC III H-1182</p> <p>Students can Double in the above two courses.</p> <p>* CALC III H can't be dropped and has no level change option available</p>	<p>AP STATISTICS-1166 CALC III H-1182</p> <p>Students can Double in the above two courses.</p> <p>* CALC III H can't be dropped and has no level change option available</p>	<p>AP STATISTICS-1166 OR CALC III H-1182</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p>	<p>STATISTICS H-1180 ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course</p>	<p>STAT H ( need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and there is no level change option for this course OR CALC II H (need to have met the graduation req.)</p> <p>*This is an elective and can't be dropped and their is no level change option for this course</p>
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## Social Studies Department

For students moving from Academic Social Studies to Honors Social Studies

<b>Grade 7 Social Studies to 8th grade Honors</b>	<b>Grade 8 Academic to Grade 9 U.S. I Honors</b>	<b>Grade 9 U.S. I Academic to Grade 10 U.S. II Honors</b>	<b>Grade 10 U.S. II Academic to Grade 11 World History Honors</b>
<p><i>Students must meet the minimum final grade requirement of an</i></p> <p><b><u>A- (90%)</u></b></p>	<p><i>Students must meet the minimum final grade requirement of an</i></p> <p><b><u>A- (90%)</u></b></p>	<p><i>Students must meet the minimum final grade requirement of an</i></p> <p><b><u>A- (90%)</u></b></p>	<p><i>Students must meet the minimum final grade requirement of an</i></p> <p><b><u>A- (90%)</u></b></p>

## AP Placement Matrix

For students moving from Honors (or U.S. II Academic) Social Studies to AP Social Studies

<b>Grade 9 U.S. I Honors to AP United States History</b>	<b>Grade 10 U.S. II Honors to AP World: Modern History</b>	<b>Grade 10 U.S. II Academic to AP World History</b>
<p><i>Students must meet the minimum final grade requirement of a</i> <b><u>B+ (86%)</u></b>.</p>	<p><i>Students must meet the minimum final grade requirement of a</i> <b><u>B+ (86%)</u></b>.</p>	<p><i>Students must meet the minimum final grade requirement of an</i> <b><u>A- (90%)</u></b>.</p>

## AP Electives Social Studies Placement Matrix

<b>Course</b>	<b>Prerequisite</b>
<b>AP Psychology</b>	Completion of Psychology I and II with a cumulative final grade average of a 90% or higher
<b>AP Macroeconomics</b>	A final grade of an A- in Economics <b>OR</b> a final grade of a B- in AP United States History, AP World: Modern, World History (H), or US II (H) <b>AND</b> a final grade of an A in Algebra II Academic or a final grade of a B in Algebra II Honors
<b>AP IPLE</b>	A final grade of a B+ or higher in IPLE I (H) <b>OR</b> placement into the class by the Department Chair
<b>AP European History</b>	A final grade of B- or higher in either U.S. II (H) or World History (H) <b>OR</b> a final grade of C+ or higher in AP United States History or AP World: Modern History
<b>AP Seminar</b>	<p><b><i>For incoming 11th grade students:</i></b>                      A final grade of B+ (86%) or higher in English 10 or a final grade of C- (70%) or higher in English 10 Honors  <b>AND</b>                      A final grade of B+ (86%) or higher in US II or final grade of C- (70%) or higher in US II Honors or APUSH</p> <p><b><i>For incoming 12th grade students:</i></b>                      A final grade of B+ (86%) or higher in English 11 or a final grade of C- (70%) or higher in English 11 Honors or AP Language  <b>AND</b>                      A final grade of B+ (86%) or higher in World History or final grade of C- (70%) or higher in World</p>

	History Honors or AP World
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**Prerequisites for remaining in an Honors or AP Social Studies Course**

<b>Social Studies 8 Honors to U.S. I Honors</b>	<b>U.S. I Honors to U.S. II Honors</b>	<b>U.S. II Honors to World History Honors</b>	<b>AP United States History to AP World History: Modern</b>
Minimum C- (70%) Final Grade in Social Studies 8H	Minimum C- (70%) Final Grade in U.S. I Honors	Minimum C- (70%) Final Grade in U.S. II Honors	Minimum C- (70%) Final Grade in AP United States History

## Science Department

### Science Honors Placement Matrix

Science 7 to Science 8 Honors	Science 8 Academic to Biology Honors	Biology Accelerated to Chemistry Honors	Chemistry Accelerated to Physics Honors
<p>Students must meet the minimum Science final grade requirement of a 90%</p> <p style="text-align: center;"><b>AND</b></p> <p>70 final grade in Algebra 1</p> <p style="text-align: center;"><b>OR</b></p> <p>80 final grade in Pre-Algebra Honors</p> <p style="text-align: center;"><b>OR</b></p> <p>90 final grade in Pre-Algebra</p>	<p>Students must meet the minimum Science final grade requirement of a 90%</p> <p style="text-align: center;"><b>AND</b></p> <p>70 final grade in Honor-levels <u>math</u> courses</p> <p style="text-align: center;"><b>OR</b></p> <p>90 final grade in Academic-level <u>math</u> course</p>	<p>Students must meet the minimum Science final grade requirement of a 90%</p> <p style="text-align: center;"><b>AND</b></p> <p>70 final grade in Honor-levels <u>math</u> courses</p> <p style="text-align: center;"><b>OR</b></p> <p>90 final grade in Academic/Accelerated level <u>math</u> course</p> <p><b>CO-REQUISITE:</b> Algebra 2 ACC or higher</p>	<p>Students must meet the minimum Science final grade requirement of a 90%</p> <p style="text-align: center;"><b>AND</b></p> <p>70 final grade in Honor-levels <u>math</u> courses</p> <p style="text-align: center;"><b>OR</b></p> <p>90 final grade in Academic/Accelerated level <u>math</u> course</p>

Science 8 H to Biology H	Biology H to Chemistry H	Chemistry H to Physics H
<p>70 in Science 8 H final grade</p> <p style="text-align: center;"><b>AND</b></p> <p>70 in Honor-levels <u>math</u> course final grade</p> <p style="text-align: center;"><b>OR</b></p> <p>90 in Academic-level <u>math</u> course final grade</p>	<p>70 in Biology H final grade</p> <p style="text-align: center;"><b>AND</b></p> <p>70 in Honor-levels <u>math</u> course final grade</p> <p style="text-align: center;"><b>OR</b></p> <p>90 in Academic/Accelerated level <u>math</u> course final grade</p> <p><b>CO-REQUISITE:</b> Algebra 2 Accelerated or higher</p>	<p>70 in Chemistry H final grade</p> <p style="text-align: center;"><b>AND</b></p> <p>70 in Honor-levels <u>math</u> course final grade</p> <p style="text-align: center;"><b>OR</b></p> <p>90 in Academic/ Accelerated-level <u>math</u> course final grade</p>

### Accelerated Science Course Prerequisites

Biology Accelerated (2112)	Chemistry Accelerated (1114)	Physics Accelerated (1127)
73 Science 8 final grade	<p>70 Biology Accelerated final grade</p> <p style="text-align: center;"><b>OR</b></p> <p>90 in Biology final grade</p> <p style="text-align: center;"><b>AND</b></p> <p>70 in <u>math</u> course final grade</p>	<p>70 Chemistry Accelerated final grade</p> <p style="text-align: center;"><b>OR</b></p> <p>90 in Chemistry final grade</p> <p style="text-align: center;"><b>AND</b></p> <p>70 in <u>math</u> course final grade</p>

## AP Science Elective Prerequisites

AP Chemistry	AP Biology	AP Environmental Science	AP Physics C
82 in Chemistry H <b>OR</b> 92 in Chemistry Acc <b>AND</b> 82 in Honor-levels <u>math</u> courses from <u>Precalculus</u> to present <b>OR</b> 92 in Academic-level <u>math</u> courses from <u>Precalculus</u> to present	80 in Biology H <b>OR</b> 90 in Biology <b>AND</b> 76 in Chemistry H <b>OR</b> 82 in Chemistry Acc	76 in Biology H <b>OR</b> 82 in Biology <b>AND</b> 72 in Chemistry H OR 82 in Chemistry Acc	82 in Physics H <b>OR</b> 92 in Physics Acc <b>AND</b> 92 in Pre-Calculus H or completed AP Calculus  <b>CO-REQUISITE/PREREQUISITE:</b> AP Calculus AB or AP Calculus BC

\* Seniors that do not meet prerequisites for AP Science courses - the College Board AP Expectancy chart can be used for placement in ONE AP Science Course. The student's MOST RECENT PSAT score must meet a probability of 50% for a score of 3 for the specific course the student wished to take. [Link to Chart](#)

## Science Elective Prerequisites

Course	Prerequisite
Anatomy and Physiology Honors	76 in Biology H <b>OR</b> 86 in Biology  <b>AND</b>  72 in Chemistry H <b>OR</b> 72 in Chemistry Acc  <hr style="width: 50%; margin: 0 auto;"/> For Seniors that did not meet above: 90 in Human Biology
Human Biology	Any level Biology course <b>AND</b> Any level Chemistry course
Research & Seminars in Biological Science Honors (In this course students participate in the Waksman program)	Any level Biology course <b>AND</b> Molecular Biology Lab Techniques
Environmental Science	Any level Biology course
Forensic Science	Any level Biology course
Marine Biology	Any level Biology course
Molecular Biology Lab Techniques	Any level Biology course

## World Language Department

### Honors/AP Placement Matrix

For students moving from Academic World Language to Honors / AP World Language

World Language Level III to <u>IVH</u>	World Language Level IV to <u>VH</u>	World Language Level V to <u>AP</u>	Grade 10 or 11 World Language to <u>VIH</u>	Grade 10 or 11 World Language to <u>Business H, Medical Professions H, 21st Century Germany H, Contemporary German Issues H, Made in Italy H</u>
Level III final grade of A (90)	<b>Please note: Level IVH has AP Preparation embedded in its curriculum; Level IV does not. Moving from Level IV to VH is a challenging jump.</b>	<b>Please note: Level VH has AP Preparation embedded in its curriculum; Level V does not have any AP Preparation included in its curriculum. Moving from Level V to AP is a challenging jump.</b>  <i>*German Sequence is different: VH→VIH→AP</i>	Completion of one or more of these courses in Grade 10 or Grade 11 and a final grade of an A (90).  Level V, VH, AP World Language, French or Spanish Business H, Spanish for Medical Professions H, 21st Century Germany H, Contemporary German Issues H, Made in Italy H	Completion of one or more of these courses in Grade 10 or Grade 11.  Level V, VH, VI, VIH, AP World Language

## Practical Arts Department

<b>AP Computer Science A</b>	<b>AP Computer Science Principles</b>	<b>Accounting 101H</b>	<b>Teacher Cadets H</b>	<b>Preschool H</b>	<b>Engineering Capstone H</b>
A, A+ in Introduction to Computer Science -OR- A-, A, A+ in AP Computer Science Principles Completion of Algebra II	A-, A, A+ in Introduction to CS Completion of Geo/Trig	None	None (Application Process)	None (Application Process)	A-, A, A+ in either Pre-recommendation: Completing both levels of either Electronics Engineering or Mechanical Engineering; this is not a prerequisite but a recommendation but students must complete at least one course in the series and have permission from the instructor to enroll in Capstone.



## Arts Education Department

### Visual Arts- CJHS

<b>Visual Arts: Drawing and Painting (CJHS)</b>	<b>Visual Arts: Introduction to Ceramics (CJHS)</b>
B+ or better in Drawing Exploration	B+ or better in Ceramics Exploration

### Visual Arts- EBHS

<b>Publisher's Workshop-Honors (EBHS)</b>	<b>Visual Arts: Honors Studio Art 2 (EBHS)</b>	<b>Visual Arts: AP Studio Art (EBHS)</b>	<b>Visual Arts: AP Art History (EBHS)</b>
Completion of Publisher's Workshop	Grade of B+ or better in any Studio Art Semester Course Offering OR Portfolio Submission	Portfolio Submission	No Prerequisite

<b>Photography Workshop (EBHS)</b>	<b>Ceramics Workshop (EBHS)</b>	<b>Sculpture Workshop (EBHS)</b>	<b>Digital Graphic Arts &amp; Design Workshop (EBHS)</b>
Grade of B- or better in Introduction to Photography	Grade of B- or better in CJHS or EBHS Introduction to Ceramics	Grade of B- or better in Introduction to Sculpture	Grade of B- or better in Digital Graphic Arts & Design Level I (or grade of A in 9th grade Intro)

### Theatre- EBHS

<b>Theatre: Acting Studio 2 (EBHS)</b>	<b>Theatre: Honors Acting Studio 3 (EBHS)</b>
Completion of Acting Studio	Completion of Acting Studio 2

### Music- CJHS

<b>Music: Honors Wind Ensemble (CJHS)</b>	<b>Music: Honors Chamber Choir (CJHS)</b>	<b>Music: Honors Select Orchestra (CJHS)</b>	<b>Music: Honors Advanced Orchestra (CJHS)</b>	<b>Music: Piano Lab (CJHS)</b>
Audition	Audition	Audition	Audition	CJHS Beginning Piano or Audition

## Music- EBHS

<b>Music: AP Music Theory (EBHS)</b>	<b>Music: Honors Wind Ensemble (EBHS)</b>	<b>Music: Honors Chamber Orchestra (EBHS)</b>	<b>Music: Honors Bella Voce (EBHS)</b>	<b>Music: Honors Concert Choir (EBHS)</b>
Entrance Exam	Audition	Audition	Audition	Audition

<b>Music: Advanced Music Studio (EBHS)</b>	<b>Music: Piano Workshop (EBHS)</b>
Completion of Digital Music Studio Course OR Demonstration of Music Reading Ability by Faculty Recommendation	Successful completion of Beginning Piano at CJHS/EBHS, or Piano Lab at CJHS, grade of B- or better OR Audition.