

Name: _____

Fine and Performing Arts

Visual Arts

3-D Design	
Ceramics Exploration	
Drawing Exploration	
Drawing and Painting (Prereq: Drawing Exploration)	
Graphic Design	

Theatre Arts

Theater and Communications	
Filmmaking	

Music

The World of Digital Music	
Beginning Piano	
Piano Lab (Prereq: Audition or Beginning Piano)	
Chorus (semester)	
Chorus (full year)	
Orchestra (full year)	
Concert Band (full year)	

Practical Arts

Business Education

Computer Keyboarding Applications	
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Family and Consumer Science

Creative Living I	
Creative Living II (Prerequisite: Creative Living I)	
Sew Much More (Sewing machine experience recommended)	
Culinary Essentials (Prerequisite: Creative Living I)	
Food Science and Nutrition	

Technology Education

Stem I	
Stem II (Prerequisite: STEM I)	
Fundamentals of Engineering	
Mechanical Engineering (Prerequisite: Fundamentals of Engineering)	
Introduction to Woodworking	
Graphic Communication	

Please select 8 Courses, prioritizing each elective 1-8

Fine/Performing Arts

3-D Design

This course is designed to be an introduction into 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.

Ceramics Exploration

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.

Drawing Exploration

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.

Drawing and Painting (Prerequisite: 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.

Graphic Design

Basic design activities and layout principles are introduced and explored. Technical processes and methods employed in design and production are developed by introducing students to Adobe Illustrator and Photoshop programs. The course will foster the importance of visually exploring and discussing the creative process through skill development and technique. Students will complete computer and hand generated projects that explore the world of design and the designer such as logos, lettering design, brochures, posters and graphics.

Theater and Communications

This elective is open to any student with a love of the theatre. The course will advance the students' acting and oral communication skills as well as his/her appreciation of the theatre. The class will include activities such as improvisation, pantomime, directing, video production, and character creation and analysis.

Filmmaking

This course offers a more advanced theatre experience that builds upon the skills learned in The World of Theatre. Through the course students will have the opportunity to gain valuable skills in theatrical writing, design, and performance. Through the “page to stage” creation of theatrical products and digital videos, students will apply writing, design, and performance skills via hands-on learning.

The World of Digital Music

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 M.I.D.I. (Musical Instrument Digital Interface) Lab. A wide variety of musical styles are examined including classical, jazz, popular, folk, and musical theatre. Course expectations include participation in music performance, composition, and arranging. Assignments of music listening and critique are also components of this course.

Beginning Piano

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.

Piano Lab (Prerequisite: Audition or Beginning Piano)

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.

Chorus (semester or full year)

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.

Orchestra (full year)

This course is similar to the seventh 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; 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.

Concert Band (full year)

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 eighth graders are encouraged to audition for the Intermediate Regional 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.

Practical Arts

Computer Keyboarding Applications

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, arrangement of business and personal letters, outlining, setting up research reports, tables, and setting up records.

Creative Living I

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.

Creative Living II (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.

Sew Much More (Sewing machine experience recommended)

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!

Culinary Essentials (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. 96 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.

Food Science and Nutrition

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.

Stem I

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.

Stem II (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.

Fundamentals of Engineering

Fundamentals of Engineering is the introductory course in our series of engineering courses. This course is an introduction to the basics of the graphic language. Communicating through technical drawings and sketches generated on the computer (CAD) are 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.

Mechanical Engineering (Prerequisite: Fundamentals of Engineering)

Through 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 the graphic language. Communicating through drawings and sketches generated on the computer are 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.

Introduction to Woodworking

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.

Graphic Communication

This course provides a hands-on experience in real world applications in the communications field. Students will learn about the ways communications have changed over the years and 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 inDesign.