

UNIFIED ARTS COURSE OFFERINGS

Administrative Technology Education: Business, Finance, and Accounting

The Business and Administrative Technology Department at Springfield High School is designed to provide students the option of becoming involved in specific aspects of the business and technology world that parallels their personal and career interests. Students can develop the knowledge and skills needed to succeed in business and to function more efficiently in the technologically driven 21st Century. The program develops lifelong learning skills that foster flexible career paths and confidence in adapting to a workplace that demands constant retooling.

Computer Applications	Course 904A	0.5 Credit EL	Grades: 9,10	HAC Access
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Computer Applications is designed to develop microcomputer skills using Microsoft Office applications. Software programs covered in the course include word processing, database development, spreadsheets, and presentation development. Specifically, students can apply their skills to school assignments for their academic courses in Microsoft Office Word, Excel, PowerPoint, and Access.

Introduction to Web Design	Course 630	0.5 Credit EL	Grades: 9,10,11	HAC Access
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This course assumes no previous experience in web design. Students learn to identify the components and characteristics of high-quality sites and how to create them. The class covers file structure and organization, basic graphic editing as well as color and design strategies. We also explore some creative and fun features including animation, sound, and interaction. The class culminates with the creation of an all-inclusive web site displaying all their work in this class.

Elements of Graphic Design	Course 650	0.5 Credit EL	Grades: 9,10,11	HAC Access
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This course explores graphic communication through the understanding of the elements and principles of design as well as the design process from idea development through the final execution of a document. Professionals use the concepts explored in this course in the following commercial based disciplines: advertising, graphic design, web design, illustration, broadcast design, photography and game design and many others. Software training includes use of Adobe Illustrator and Photoshop.

Applications of Graphic Design	Course 651	0.5 Credit EL	Grades: 10,11,12	HAC Access
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This course effectively pairs the basics of graphic design with real world projects and applications. Through a project-based production approach, students learn to research and analyze all components of the design process and set the stage for independent design projects. Students are exposed to more advanced digital techniques using Adobe Illustrator and Photoshop including but not limited to image manipulation through masking and layers, multiple selection methods, saving and exporting, scanning, retouching, pen tool, and cutting-edge techniques used in industry today.

Prerequisite: Successful completion of Elements of Graphic Design 650

Fundamentals of Computer Programming	Course 945	0.5 Credit EL	Grades: 10,11	HAC Access
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This course is designed to build foundational skills in programming to prepare students for AP Computer Science A. Students will learn to design and implement computer programs that solve relevant, real-world problems. This course will emphasize

problem-solving and the development of algorithms. The use of hands-on experiences and examples for students to apply programming tools and solve complex problems will be utilized as students learn Java programming language.

Prerequisite Course:

- Algebra II 430 Hn or 431 CP

Recommended Academic Performance Levels for Teacher Recommendation:

- 84% or higher in Course 430 or Course 431

IT Essentials	Course 950	0.5 Credit EL	Grades: 9,10,11,12	HAC Access
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This class is for those individuals who have a serious interest in computers and technology and are considering a career in IT. This class will focus on troubleshooting hardware/software issues throughout the building while working in conjunction with the High School and District Tech Departments. When students are not troubleshooting or assisting others in the building, they will work towards Dell Certification status.

IT and Computer Support	Course 951	0.5 Credit EL	Grades: 9,10,11,12	HAC Access
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Students need career readiness skills. Schools need additional technical support. This course provides students with the opportunity to develop their technical skills and customer service abilities by participating in a student-run help desk. Students will work in teams to provide support and assistance to fellow classmates and faculty with a variety of computer and technology-related issues.

Prerequisite: Successful completion of IT Essentials 950 or Teacher Recommendation/Approval

Introduction to Business	Course 955A	0.5 Credit EL	Grades: 10,11	HAC Access
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In this course we will explore the knowledge and skills needed to open, operate and run a business. We will learn how basic economics can affect business planning. We will understand social responsibility as it relates to economics and business creation. We will understand how to use the tools necessary to market, manage and operate a business in today's economy. This half year course serves as a survey of different aspects of the business world.

Marketing ^{CHE}	Course 956	1.0 Credit EL	Grades: 11,12	HAC Access
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In this course we will be able to understand how to complete the process of marketing a product or service, starting with recognizing consumer needs. We will examine every aspect of the marketing mix (Product, Price, Promotion and Distribution). Students will be able to identify target markets and determine the potential of those markets. Students will be able to determine the types and levels of competition. Students will be able to analyze the marketing mix for a specific product or service to construct and present a comprehensive marketing plan.

Money Management ^{CHE}	Course 958A	0.5 Credit EL	Grades: 11,12	HAC Access
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In this course we will explore the banking and credit system. We will understand how taxes and wages can affect our lives. We will understand how to properly manage our money by creating buying plans, setting limits, and maintaining a personal budget. We will understand how to use all the tools to live a financially responsible life.

This course fulfills the Personal Finance & Money Management credit requirement.

Accounting I ^{CHE}	Course 963	1.0 Credit EL	Grades: 10,11,12	HAC Access
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In this course we will be able to complete the full accounting cycles for a proprietorship and a merchandising business. We will be able to use the recorded data in order to generate financial statements such as income statements and balance sheets. Students will be able to use those statements to analyze the success or failure of the businesses. Accounting is a full year elective course filled with college level material that will give you a leg up, if you plan on majoring in business or plan on starting your own business.

This course fulfills the Personal Finance & Money Management credit requirement.

Investments ^{CHE}	Course 959	1.0 Credit EL	Grades: 12	HAC Access
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Course Description in Development

AP Computer Science (A) ^{CHE} Advanced Placement	Course 980	1.0 Credit EL or MA	Grades: 11,12	HAC Access
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This advanced placement course is offered to those students with excellent problem-solving ability and a keen interest in computer science as a career. The focus of this course is to provide students with a conceptual background in computer science. The major emphasis is on programming methodology, algorithm design, and object-oriented programming in the Java language. This course prepares a student for advanced placement in a college computer science program by means of the Advanced Placement Exam. All students enrolled in AP courses are required to take the College Board's Advanced Placement Exam.

Prerequisite Course:

- Algebra II 430 Hn or 431 CP

Recommended Academic Performance Levels for Teacher Recommendation:

- 84% or higher in Course 430 or Course 431

AP Computer Science Principles (CSP) ^{CHE} Advanced Placement	Course 983	1.0 Credit EL or MA	Grades: 10,11,12	HAC Access
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Computer Science Principles is a course that exposes students to the core concepts of computer science. Students will gain a broad base of knowledge and skill from a framework encompassing the big ideas of computing, creativity, abstraction, data and information, algorithms, programming, the internet, and global impact. Students also learn computer programming with an emphasis on problem-solving and logic development using computational tools in data analysis. Most projects are open-ended, and students will be working individually and collaboratively in pairs. Students create projects requiring written reflection reports and narration of design specification.

Prerequisite Course:

- Algebra II 430 Hn or 431 CP

Recommended Academic Performance Levels for Teacher Recommendation:

- 84% or higher in Course 430 or Course 431

Applied Engineering and Innovative Technologies
Formerly Industrial Technologies

Principles of Engineering & Construction	Course 700	0.5 Credit EL	Grades: 9,10,11,12	HAC Access
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This course is designed for students who are interested in exploring Engineering related fields. With focus on the Engineering Design Process, this course will use project-based learning in our fully functioning design lab, giving students a hands-on experience. The Engineering Design Process, Design Challenges and Engineering Notebooks will aid students in documenting their work and developing many iterations of their designs, through both models and prototypes of their Puzzle Cube and 3D Printing projects, creativity in design will be emphasized. Students will be exposed to industry standard equipment and software like 3D printers and technical drawing software like AutoCAD. This course is the foundation for exploring and developing your technical skills. It is strongly encouraged this course is taken prior Engineering: Structural Design or Architectural Design.

Creative Product Design & Manufacturing	Course 708	0.5 Credit EL	Grades: 9,10,11	HAC Access
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Materials Fee: \$25

This class is an entry level exploration of the processing of a variety of materials. Through Engineering Design, an emphasis is placed on the processes by which a product (or project) is developed as students use the various techniques of materials processing. Students will also learn the safe and proper use of hand tools and machinery. Materials utilized will focus on woods, plastics, metals, and implementing others when possible. Students will be tasked, individually and collaboratively, to solve a variety of design challenges through the creation of a functional (specified) (innovative) product. This course is a project-based, hands-on learning experience that will allow students to engage their minds in problem-solving. Design challenges may include designing and producing functional home products and designing and creating prototypes in response to a real-life problem-solving scenario.

Design Thinking: Innovation & Creation	Course 709	0.5 Credit EL	Grades: 10,11,12	HAC Access
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Materials Fee: \$25

This course is designed for students to research advanced concepts and product development individually and collaboratively in the field of materials processing as relates to prototype design. In addition to the safe and proper use of hand tools and machinery, students may also utilize and apply CNC Machining, laser engraving, and 3D printing techniques to their projects. Students will select topics and projects that utilize and expand upon acquired skills and concepts from the required level 1 course listed above. As students research, envision, create, test, and refine prototypes to solve real-world problem scenarios, an emphasis will be placed on advanced level projects, project design, problem solving, precise and accurate measuring techniques, and safety. Teamwork is also stressed in this course as students may work cooperatively when solving design problems. Using design thinking and the engineering design process, this course will be cognitively and kinesthetically engaging.

Prerequisite: Successful completion of 701A or 708

Architectural Design ^{CHE}	Course 710	1.0 Credit EL	Grades: 10,11,12	HAC Access
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Materials Fee: \$35

In this course, students will focus on Architectural and Engineering Design concepts. Students will 3D model their “Dream House” using Revit, AutoCAD and Google SketchUp to bring theory to reality, as students construct their ¼ inch scale balsa wood model. Industry standard software and equipment will allow students to build a home from the ground up. From the floor plan configurations, traffic flow patterns, electrical plans, all the way to elevation drawings, landscape design, site plans and renderings. Technical sketches will allow practice in measurement and accuracy of their drawings. Models and Technical Sketches will be put on display and judged at the annual Celebration of the Arts.

Engineering: Structural Design	Course 715	0.5 Credit EL	Grades: 9,10,11,12	HAC Access
Materials Fee: \$35				

Various fields of engineering will be explored from electrical to structural engineering, and the ethical dilemmas engineer’s face when seeking a solution to a design. This class would be beneficial for students who have a general interest in engineering but want to gain a deeper understanding of the various opportunities in the field so they can make more informed decisions regarding their future academic and career plans. With prior knowledge of the Engineering Design Process, students will further develop their technical skills with a focus on assembled structures, 3D modeling, prototyping, soldering electronics, Ethics in Engineering and structural bridge designs. Students will use various industry standard software and equipment to 3D model a Night Light design, Laser Cut the pieces to scale, solder LEDs and electrical components together to create a final working prototype.

Prerequisite: Successful completion of 700.

Robotics ^{CHE}	Course 716	0.5 Credit EL	Grades: 10,11,12	HAC Access
Materials Fee: \$35				

This course offers students opportunities to explore pre-engineering concepts in robotics. Using Lego Mindstormer EV3s and VEX Virtual Reality Robots, students will develop computational thinking skills and will transition from block coding to Python programming. Design briefs and challenges are used to describe real life situations and to provide an authentic learning experience. VEXcode VR and engaging robotics-based activities will be used to learn about project flow, loops, conditionals, algorithms, and more. Learning coding will help students develop 21st-century job skills. Most of today’s professional math and science fields have a computational component. Additionally, skills such as the ability to analyze and solve unstructured problems and to work with new information are extremely valuable in today’s knowledge economy. This course will help students become creators, not just consumers, of technology.

Survey of Building Trades	Course 718	0.5 Credit EL	Grades: 11,12	HAC Access
Materials Fee: \$50				

Students will have the opportunity to explore several skilled trades including carpentry, plumbing, electrical, and more. This course is designed to serve students who wish to understand more about skilled trades and careers. Through modified construction projects, students will gain experience, knowledge, skills and understanding. Theory in the classroom will be applied through hands-on application, helping to strengthen student problem solving and critical thinking skills necessary for career preparation.

Art

Studio Art	Course 801	0.5 Credit EL	Grades: 9,10,11	HAC Access
Materials Fee: \$10				

Studio Art provides the opportunity for beginning art students as well as more advanced students to experiment with concepts, methods, and materials in the following areas: design, drawing, printmaking, painting and 3-D design. By studying the contributions of artists past and present and participating in studio work and critiques, students will gain a more critical appreciation of the value of art. Students will use the Internet as a research tool for art historical information. Students will be required to enter at least one piece of their artwork in the Celebration of the Arts exhibit. Students are required to supply an artist's sketchbook.

Drawing and Design	Course 803	0.5 Credit EL	Grades: 10,11,12	HAC Access
Materials Fee: \$10				

Focusing on building drawing and observation skills, exploring personal expression and creative problem-solving; this course allows students to grow their artistic skills. Students in the course likely have varying skill levels/experience, therefore the goal of this course is to move from where student are to foster individual skills over the semester - even with no experience, students can expect success. Students will be challenged to stretch their preconceived ideas of what they can do as an artist and to explore the fine art world of drawing & design. Using historical and contemporary artists as inspiration, students will create a series of drawings and paintings that hone competencies with a variety of drawing & design tools and techniques. By participating in self, peer and group critiques and learning to give actionable feedback, students will develop the ability to look at artwork in a deeper manner and allow them to write and speak clearly and thoughtfully about others' art. Open Studio sessions are available after school twice a week for advanced instruction opportunities. All students participate in the Celebration of the Arts exhibit.

Painting and Drawing	Course 805	0.5 Credit EL	Grades: 9,10,11	HAC Access
Materials Fee: \$10				

Painting and Drawing students learn how to grow their skills as fine artists; honing drawing techniques in pencil, charcoal, pastel, and pen and ink as well as growing their observational skills. Students regularly participate in self, peer, and group critiques. The course provides opportunities for exploring career opportunities in art; familiarization with significant periods in art history; opportunities to exhibit work in local, regional and national competitions; and the opportunity to work from life and imagination. By learning to reach beyond imagined limitations, students explore, develop their craft and grow their observation, painting and drawing skills. Through their artwork, students responsibly utilize online reference materials, using the Internet as a tool for art historical research and familiarizing themselves with contemporary artists. Students are required to supply an artist's sketchbook and are required to enter at least one piece of their artwork in the Celebration of the Arts exhibit.

Functional Ceramics	Course 811	0.5 Credit EL	Grades: 9,10,11	HAC Access
Materials Fee: \$20				

This course offers students the opportunity to create beautiful and unique ceramic pieces that can be used in their everyday lives. Students will do research, design, and create unique, well crafted, functional ceramic pieces. Students will engage in self, peer, and group critiques. Students learn a wide range of ceramic tools and building techniques through hands-on learning. Students are required to enter at least one piece of their artwork in the Celebration of the Arts exhibit. Be prepared to get your hands dirty and find out why clay is one of the oldest building materials!

Sculptural Ceramics	Course 813	0.5 Credit EL	Grades: 9,10,11	HAC Access
Materials Fee: \$20				

This course offers students the opportunity to create beautiful and unique ceramic pieces that communicate their ideas, concepts, and emotions in a dynamic, 3-dimensional form like no other course can offer. Students will do research, design, and create dynamic, well crafted, original sculptures using clay. Students will engage in self, peer, and group critiques, and learn a wide range of ceramic tools and sculpting techniques through hands-on learning. Students are required to enter at least one piece of their artwork in the Celebration of the Arts exhibit. Clay sculptures have been made for thousands of years, come join to make sculptures that have never been made before!

Primitive Ceramics: Earth, Air, Fire and Water	Course 817	0.5 Credit EL	Grades: 10,11,12	HAC Access
Materials Fee: \$20				

We go seriously old school in Primitive Ceramics. By experimenting with primitive techniques including creating your own clay bodies (meaning we will walk to the creek and dig up and process our own clay), burnishing, smoke-firing, traditional and horsehair raku, and alternative finishes (we often use fire as a tool in this course). The results are often unpredictable and always beautiful. Focusing on independent research and design; students meet indigenous people's both historic and contemporary and their hand-constructed ceramic techniques. Students will work in a professional ceramic studio and actively participate in this unique artistic community. The Internet is used as a research tool. Using a digital portfolio, students will document their progress and problem-solving strategies. Students are required to enter at least one piece in the Celebration of the Arts exhibit.

Sculpture	Course 819	0.5 Credit EL	Grades: 10,11,12	HAC Access
Materials Fee: \$20				

This course offers students the opportunity to create beautiful and unique sculptures using a wide variety of materials, other than clay, that communicate a deeper idea, tell a story, in a dynamic, 3-dimensional form. Students will do research, design, and create original, well-crafted Sculptures. Students will engage in self, peer, and group critiques, and learn a wide range of tools and building techniques through hands-on learning. Students are required to enter at least one piece of their artwork in the Celebration of the Arts exhibit. Sculptures are and have a big part of every culture across the globe for thousands of years, come take your place in history!

Pottery	Course 816	1.0 Credit EL	Grade: 12	HAC Access
Materials Fee: TBA				

Senior Pottery focuses on the functional and decorative aspects of pottery by combining Functional Ceramics and Tile Making in a block schedule course. This course is for seniors interested in learning ceramic techniques including mold making, the pottery wheel, and various ceramic hand building processes. Students will research, design, create, and critique original, well-crafted ceramic

artwork. This is an entirely hands-on course, so come prepared to get your hands dirty. Each student is required to enter at least two pieces in the end of year "Celebration of the Arts" exhibit.

Prerequisite: Successful completion of any one of the ceramics courses.

Photography	Course 825	1.0 Credit EL	Grade: 12	HAC Access
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"Photography" is a course for upper classmen that may have taken another photo course in their high school career but wanted to learn more about specific genres and techniques but with enough flexibility for the newcomer. A student will be given the opportunity to choose from various photography genres from all the photography courses offered at SHS. Effects, Portrait, and Digital Photography offer a menu of techniques and examples that will provide a unique learning experience driven by a student's choices. Assignments will be done in and out of school leading up to a mid-year critique while culminating in a professional display at SHS's annual Celebration of the arts.

Prerequisite: Successful completion of one of the following courses: Special Effects, Portrait or Digital Photography

Digital Art	Course 820	0.5 Credit EL	Grades: 9,10,11,12	HAC Access
Materials Fee:	\$15			

Digital Art & Animation will give students the opportunity and training needed to push their creative potential without limitations. Professional Digital Art tools such as the Wacom's Mobile Studio Pro and Huion Kamvas pens and displays, "user friendly" drawing and painting software will give students the opportunity to create dynamic imagery directly on screen with speed and precision. Wacom, Huion, and Adobe are considered the creative industry's standard digital art software and hardware combination that is used by creative professionals around the world in 2D/3D animation studios, visual effects departments, comics, and photography. Companies such as Pixar, Disney, Ford, Blue Sky, Dreamworks, BMW, and countless other industries utilize these tools in some capacity. Students will draw, compose images correctly, explore animation techniques, manipulate perspective tools, create in a 3D space, develop narrative drawings such as comics and children's book illustrations, and modify their own drawings instantly just as the leading professionals.

Student work will also be saved to Adobe cloud and can be accessed via mobile apps, chrome books, home computers, and gaming PCs that can run the adobe applications.

- There are no homework assignments outside of school for this course.
- Equipment is provided for homework assignments.
- Time management of deadlines,
- creative problem solving,
- Managing a digital workflow is also a dedicated part of the curriculum.
- Like all art courses, student work will be proudly displayed at Celebration of the Arts.

Portrait Photography	Course 826	0.5 Credit EL	Grades: 10,11,12	HAC Access
Materials Fee:	\$25			

Portrait photography is a course on how to take professional photographs of people. Students will photograph their classmates, friends, family, and themselves to practice basic techniques involving depth of field, flash photography, managing a group, candid portraits, posing, working with telephoto lens to capture athletes in live athletic events, and learn how to photograph pets for extra credit. Utilize the most basic concepts of photography, even the more advanced students will take on a series of challenges that utilize their creativity and prior experiences. Students will have the opportunity to use Canon DSLR cameras with a variety of

detachable lenses at their disposal. Along with photographing with professional grade equipment students will be editing their work in the industry's standard Apps Adobe Photoshop and Lightroom.

- Student work will also be saved to Adobe cloud and can be accessed via mobile apps, chrome books, home computers, and gaming PCs that can run the adobe applications.
- Equipment is provided for homework assignments.
- Time management of deadlines, utilizing on screen note taking with Microsoft OneNote, creative problem solving, managing a digital workflow are also a dedicated part of the curriculum.
- Students may sign out equipment from the photography department while enrolled in the course.
- Students will have digital copies of all work produced and 2 printed and matted photographs.
- Like all art courses, student work will be proudly displayed at Celebration of the Arts.

Honors Level Courses

Honors Art ^{CHE}	Course 807	1.0 Credit EL	Grades: 11,12	HAC Access
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*****Students express interest through HAC Course Request with teacher review and final approval.**

Considering a career in the arts? This class is for you. Following the practice of professional artists, you will hone your drawing and painting skills while learning to deeply observe the physical world. At the same time, you will be delving into your imagination and learning to express the ideas, feelings and concepts you want to communicate through your work. As you develop your personal artistic practice, you will be working more and more independently, working on your projects at school, and in your home studio. You will spend time researching art historical movements and artists as they relate to your work - and becoming familiar with contemporary artists. Exhibiting your work at Celebration of the Arts is the culmination of a year of intense work. As you explore college and career opportunities, you will have the opportunity to talk with visiting art school admissions representatives. Students planning to take AP Studio Art - Drawing during Senior year will use this class to begin developing the Sustained Investigation section of their Advanced Placement Portfolio.

**There is no Lab Fee for this course; students are expected to purchase the following items for the course: A large portfolio (at least 18" X 24"), an 18" X 24" sketchbook and a small sketchbook used for the purpose of required independent homework projects.

Prerequisite: Successful completion of two of the following courses: 801, 803, or 805

Honors Photography and Digital Art ^{CHE} <i>Photography, Design and Graphics</i>	Course 829H	1.0 Credit EL	Grades: 11,12	HAC Access
Materials Fee: \$45				

Teacher Recommendation Only

This course is for the highly motivated photography, animation, digital illustration, and/or graphic design student who wants to perform at a college level while still in high school. This course requires independent work, goal setting, planning skills, constructive evaluation, and ongoing communication with the 2D design instructor. The 15 images created will fill the College Board Advanced Placement 2D Design Portfolio requirements while building a professional portfolio for college reviews and possible internship opportunities. The portfolio will be based on their chosen medium and personal concept. During the creation of the portfolio students will develop increased skills in various artistic methods; including comprehensive technical knowledge of their media, professional use of Adobe software, printing output methods, creative

problem solving, thematic design, personal evaluation, and the creation of a “Visual Idea.” The course culminates with a presentation of the student’s portfolio on a visual installation called a “Wall” at Celebration of the Arts.

This course provides the opportunity for students to earn honors weight by fulfilling additional requirements outside of the school day. See director for more information.

- Students must have their own photography equipment, unless focus is non-photography driven.
- Please visit Mr. Mann’s class page for information and examples of photography projects.
- Students that complete the work in this course receive a “wall” at Celebration of the Arts.
- \$90 dollar Advance Placement testing fee

Prerequisite: Successful completion of the following courses: 829, 824, 826, and 827

Advance Placement Courses

AP 2D Design Portfolio: ^{CHE}	Course 829	1.0 Credit EL	Grades: 11,12	HAC Access
Photography & Design				
Materials Fee: \$65				

Teacher Recommendation Only

This course is for the highly motivated 2D design (photography, animation, character design, & graphic artist) student who wants to perform at a college level while still in high school. This will require independent work, goal setting, planning skills, and ongoing communication with the teacher. The 15 images created will fill the required sections of the College Board Advanced Placement 2D Design Portfolio.

Students will strengthen their design and photographic skills, including comprehensive technical knowledge of their chosen 2D media, professional use of software such as Adobe Photography and Design Apps. They will also explore printing output options and solve creative problems via design principles. Much of the thematic design of their portfolio will be self-assigned, based on their proposed “Sustained investigation”. The course culminates with presentation of the student’s portfolio on a visual installation called a “Wall” at Celebration of the Arts.

This course allows students to earn honors weight by fulfilling additional requirements outside of the school day. See the director for more information.

*For incoming Junior Students: After this course there is an opportunity to be an independent study student during the student’s senior year.

- Student work will also be saved to Adobe cloud and can be accessed via mobile apps, chrome books, home computers, and gaming PCs that can run the adobe applications.
- Students should have their own photography equipment, unless the focus is non-photography driven. Students will be permitted to borrow equipment from SHS if needed.
- Students that complete the work in this course receive a “wall” at Celebration of the Arts.
- \$90-dollar Advance Placement testing fee

<https://apcentral.collegeboard.org/courses/ap-studio-art-2-d-design?course=ap-studio-art-2-d-design>

Prerequisite: Successful completion of the following courses: 829, 824, 826, and 827 or portfolio review with Mr. Mann

Teacher Recommendation Only

Are you a highly motivated student? Are you headed to art school and a career in the arts? This course allows you to perform at the college level while still in high school. AP students work all year and in-depth exploring a personal artistic theme. These works will represent the required Quality and Concentration sections in the Advanced Placement Portfolio submitted in early May. Through the intense study of the human figure, you will strengthen your drawing skills. Various media will be explored in black & white, and color based upon your thematic series. Work ranges from photo-realism to imaginative compositions; small oil stick paintings to larger-than-life drawings. You will practice and develop the ability to document and explain your thinking, creative processes, research arc, and your developing understandings of how all these areas work together towards your own personal and artistic growth. This practice will further develop your artistic voice and your ability to explain what has influenced and changed it. In addition to learning how to appreciate and evaluate your own work and that of others, all AP students will be encouraged to stretch and explore their own work and share it with an audience through mandatory weekly Peer Critical Review sessions. All course participants will need to submit an AP portfolio in May and exhibit their work in Celebration of the Arts. Open Studio sessions are available for advanced instruction opportunities.

**There is no Lab Fee for this course. Students will need to purchase the following items for the course: a large portfolio (at least 18" x 24"), an 18" X 24" sketchbook, a small sketchbook used for the purpose of required independent homework projects and any materials needed outside of what is available in the studio to complete their portfolio pieces.

Prerequisite: Successful completion of 801, 803, or 805 and 807

Communications: Video Production & Media

Introduction to Mass Media	Course 760	0.5 Credit EL	Grades: 9,10,11	HAC Access
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From the oldest cave paintings made thousands of years ago to the technologically advanced Information Age in which we currently reside, we see evidence of humans working to develop new, more sophisticated, and broader means of communication. This course will provide students with an overview of the wide range of mass communications methods used in modern society. They will examine the history and evolution of mass communication. In addition, the students will explore the current and future career paths in the field of mass communication. Students in this course will research the various forms and functions of mass communication, sample, and critique content from each of those formats, discuss and evaluate the role and impact media has on our society, and will map various career paths in the field of mass communication. Students will learn how to become more discerning consumers of media, practice safe and responsible digital citizenship, and have a better understanding of how to produce and distribute their own content. This class would be beneficial for students who have a general interest in media and communications but want to gain a deeper understanding of the various opportunities in the field so they can make more informed decisions regarding their future academic and career plans. *****Please note that this is NOT a video production class.*****

Television Production: Basic Video Production	Course 770	0.5 Credit EL	Grades: 10,11,12	HAC Access
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This course is the recommended entry-level video production course. It will cover the fundamentals of video production and will work in both the studio/multi-camera format, as well as the film-style/single-camera format. Students will develop the skills needed to function in all aspects of the Production Cycle and will learn how to produce live multi-camera segments, as well as how to use Adobe Premiere Pro for non-linear video editing. Over the course of the semester, students will work in large and small groups to produce a series of videos. As their skills develop, some projects may be produced for broadcast on our morning announcement programs or SETV.

Television Production: Film-Style Production	Course 771	0.5 Credit EL	Grades: 10,11,12	HAC Access
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Much of today's video production equipment is portable; therefore, many productions are shot on location. The course teaches students to create videos that are shot on location and edited in the studio. Emphasis is placed on the writing of treatments, scripts, and storyboards, single camera shooting, and non-linear editing techniques. Students will work in small teams and produce a series of videos including (but not limited to) a movie trailer, a reinvented movie scene, a basic visual effects reel, a music video, and a short film. This is a beneficial experience for students who want to become competent videographers and editors, and provides the opportunity to start building a portfolio for college or prospective employers. Many students who have taken this class are currently working in the field today.

Documentary Video Production	Course 776	0.5 Credit EL	Grades: 10,11,12	HAC Access
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Documentary Video Production is an advanced-level video production course that allows students to work individually on three documentary videos of increasing length. The choice of subject matter is completely the prerogative of the student. Students

will work through the entire process of developing an idea, doing research, collecting interviews, storyboarding, writing, shooting, and editing. All completed videos will be considered for broadcast on SETv, and eligible for available contests. This is a perfect class for a creative, tech-savvy student who wants the opportunity to work individually and produce projects that could be used as a portfolio piece or demo reel in the future. Many students who have taken this class are currently working in the field today.

Prerequisite: Successful completion of Course 770 or Course 771 or Course 773

Broadcast Journalism	Course 773	1.0 Credit EL	Grade: 11	HAC Access
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Students may request this course in HAC. However, it does require:

Successful completion of 770 or 771 along with teacher recommendation.

In Broadcast Journalism, students will be taught the skills of story selection, news writing and delivery, along with basic and advanced TV Production skills. The class will produce both daily announcements (The Cougar Pause), and a monthly thematic news magazine program (The Growl) for the high school delivered via the web. In addition, students will produce a series of news reports on various subjects that will be shown in the high school, and on SETv. Students in this class will be assigned a specific job or leadership role based on their abilities and experience and will treat their time in the class like a workday in a television news studio. This is a beneficial experience for students who want to become competent videographers and editors, and provides the opportunity to start building a portfolio for college or prospective employers. Many students who have taken this class are currently working in the field today.

Broadcast Journalism II	Course 778	0.5 Credit EL	Grade: 12	HAC Access
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This course available only through TEACHER RECOMMENDATION and requires successful completion of Course 773, Broadcast Journalism.

Family and Consumer Sciences

Focus on Foods and Nutrition Food and Materials Fee: \$25	Course 602	0.5 Credit EL	Grades: All	HAC Access
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This course focuses on students making food choices that ensure good nutrition according to the “MyPlate” food guide. Students will learn safe and sanitary food handling practices, proper storage, and cooking techniques while preparing food from the five parts of the plate: grains, vegetables, fruits, dairy, and meats/protein. Students learn the fundamentals of baking, including proper measuring and the function of ingredients. This course is focused on a hands-on approach in the food lab.

Advanced Food Preparation Food and Materials Fee: \$35	Course 603	1.0 Credit EL	Grades: 11,12	HAC Access
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This course builds on the foundation from Fundamentals of Food & Focus on Food & Nutrition. Students prepare a variety of recipes including appetizers, soups, stocks, salads, entrees, and desserts to further explore food preparation techniques. Students experiment with altering recipes in cooking and baking to enhance the nutrient profile of the dish. Students also explore current food trends and the impact of food in our rapidly changing world. Students will compete in a Food Truck competition at Celebration of the Arts.

Prerequisite:

- Successful Completion of Courses 601, 602, or 605A

The Science of Food Food and Materials Fee: \$35	Course 605A	0.5 Credit EL	Grades: 10,11,12	HAC Access
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This course is intended for students who wish to further their exploration of baking and candy making techniques. Students are given the opportunity to examine the science behind various baking methods to learn that baking is as much a science as an art. Baking and Confections encourages students to use their artistic and imaginative skills to individualize food products through decorating, plating, and garnishing. Recipes include selections from: quick and yeast breads, cakes/cupcakes, icings, candy and chocolate, pies and tarts, cookies, custards, fruit desserts, frozen desserts, and dessert sauces. Lecture, assignments, student cooking labs, streaming tutorials, and teacher demonstrations provide for an introduction to the pastry kitchen.

Prerequisite:

- Successful Completion of Course 601 or Course 602

Methods of Teaching: <i>Elementary and Secondary Education</i>	Course 625	0.5 Credit EL	Grades: 10,11,12	HAC Access
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This course is designed for students who are considering a career in teaching or early childhood education, or simply want to learn more about the field of education. The course content will explore various aspects of teaching including lesson design elements, an overview of learning style differences and learning disabilities, learning differences between age groups and grade levels, establishing a positive learning environment, and instructional strategies including the use of technology. Students will have the opportunity to design and create hands-on projects and lessons to teach specific concepts. The course

will cover Pre-K through Grade 12 teaching methods with the main focus on elementary age children to equip students with various skill sets to serve as teaching assistants in elementary classrooms or Pre-K programs.

Personal Finance ^{CHE}	Course 640	0.5 Credit EL	Grades: 10,11,12	HAC Access
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This course fulfills the Personal Finance or Money Management requirement.

Life on your own will be the focus of this course. Managing your own checkbook, establishing good credit, determining costs for major life events (wedding, buying a house, having a baby) will all be examined as well as learning to handle paying monthly bills while balancing personal and family life. The psychology of relationships and higher-level communication skills are the focus while integrating all parts of financial matters during the life cycle. Practical, hands-on methods are applied for successful learning. Research strategies are developed, and curriculum directed projects are worked on in cooperative groups.

Music

Digital Music Production	Course 847	0.5 Credit EL	Grades: ALL	HAC Access
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Materials Fee: \$5

With today's technology, anyone can create and produce music! This course will teach you the skills needed to use what is readily available to get your song "out there." You need no prior musical experience, just the love of learning in a new way and being creative. We will explore the features of GarageBand and learn about sound production, mixing tracks and beats, creating your own songs, basic recording, using FX, and creating music for video. This project-based class is designed to get students engaged in the technology used for music and to inspire them to continue to develop their skills beyond the classroom door on their way to the Grammys!

Fundamentals of Piano	Course 848	0.5 Credit EL	Grades: ALL	HAC Access
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Course Description in Development

Guitar and Ukulele	Course 849	0.5 Credit EL	Grades: ALL	HAC Access
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Materials Fee: \$10

This beginner course is designed to allow students the opportunity to pick up an instrument and learn to play. Basic technique, note reading, and musical interpretation are at the center of this course. Students will learn songs and techniques for both guitar and ukulele. No prior instrumental background needed.

Guitar – Level 2	Course 850	0.5 Credit EL	Grades: ALL	HAC Access
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Course Description in Development

Introduction to Music Theory	Course 851	1.0 Credit EL	Grades: 10,11	HAC Access
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This introductory course is designed to help understand the fundamental concepts of music. All music is created from the same elements: pitch, rhythm, time, and expression. With these elements in mind, the course takes you from basic music reading through to analyzing the chords of famous pieces of music to allow us to understand the music better.

AP Music Theory CHE	Course 880	1.0 Credit EL	Grades: 11,12	HAC Access
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NOT OFFERED IN THE 2024-2025 SCHOOL YEAR

The goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of these goals may best be approached by initially addressing fundamental aural, analytical, and compositional skills using both listening and written exercises. Building on this foundation, the course should progress to include more creative tasks, such as the harmonization of a melody by selecting appropriate chords, composing a musical bass line to provide two-voice counterpoint, or the realization of figured-bass notation.

Performance Ensembles

Symphonic Band (CP and Hn)	Course 855	1.0 Credit EL	Grades: ALL	HAC Access
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Symphonic Band is a performance, academic, and co-curricular ensemble open to Woodwind, Brass, and Percussion students in Grades 9 through 12. Students study and rehearse Band literature of various styles and difficulty in this class. Students refine performance technique and ensemble playing. Performances, concerts, and rehearsals outside of the school day are required. Students are encouraged to study privately on their individual instruments. As a co-curricular class, students enrolled in Symphonic Band participate in marching band at football games and parades. Participation fees are required to cover uniform and activity expenses.

Orchestra (CP and Hn)	Course 857	1.0 Credit EL	Grades: ALL	HAC Access
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Orchestra is an ensemble of performers who play stringed instruments. String players are eligible for inclusion by participation in the middle school program or by audition with the instructor. Standard orchestral literature and lighter selections are rehearsed and performed to gain an understanding of various periods and styles of music. Required concerts and performances are presented in the evenings throughout the school year. There is a uniform cleaning fee.

Concert Choir (CP and Hn)	Course 860	1.0 Credit EL	Grades: ALL	HAC Access
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Every student will be given the opportunity, encouragement, and assistance to develop the fundamental skills essential for achieving a high standard of vocal performance: good tone quality, accurate intonation, correct breathing, clear diction, and an awareness and sensitivity for artistic interpretation. Required concerts and performances are the Winter Concert, Spring Concert and one other concert each year. In addition to regular class time, every student will be required to attend evening rehearsals prior to each concert as listed on the yearly Choral Department Calendar and in the Choral Department Handbook.

Springfield Singers	Course 861	1.0 Credit EL	Grades: ALL	HAC Access
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This course is available to students through **Audition Only and Teacher Recommendation.**

The Springfield Singers is a select group whose membership is by audition only. The fundamental skills essential in achieving a high standard of vocal performance will be stressed. Emphasis will be on ear training, sight singing and application of basic music theory. A higher level of difficulty of choral literature will be learned. Required concerts and performances are listed on the yearly Choral Department Calendar and in the Choral Department Handbook (including Winter Concert, Spring Concert, Graduation). In addition to regular class time, every student will be required to attend evening rehearsals prior to each concert. There is a nominal uniform cleaning fee.

Physical Fitness and Health Education

Grade 9 Health & Wellness	Course 035	0.5 Credit HE	Grade: 9	HAC Access
Grade 11 Health & Wellness	Course 036	0.5 Credit HE	Grade: 11	HAC Access

This course is intended to improve each student's level of physical fitness, increase enjoyment of physical activity, and instill in students the importance of physical well-being. Students will rotate through three sessions including strength and conditioning, yoga and personal wellness, and competitive sports. All students are required to wear a regulation gym uniform and sneakers. To receive full credit, students must be prepared with a gym uniform, attend class regularly, and participate in class activities. Each session will include an online health component with topics and assignments unique to each session. Age-appropriate topics related to phases of human development will be covered concerning the social, emotional, and physical well-being of the individual.

Live Fit	Course 042	0.5 Credit EL	Grades: 10,11,12	HAC Access
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Students will be able to identify the major muscles of the body, design and implement a self-created individualized fitness program. All students will receive instruction on proper exercise technique, identification of lifting stations and names of exercises, spotting and safety protocols utilized when working out, fitness terminology, fitness concepts (overload, specificity, cross training, variation), warm up/cool down activities, phases of strength training (endurance, strength, power, sport specific), plyometric exercises, agilities, flexibility, rest and sports nutrition.

Advanced Studies in Competitive Sports	Course 044	0.5 Credit EL	Grades: 10,11,12	HAC Access
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Take your knowledge and skills of a variety of sports to the next level. This co-ed course is designed for those seeking a higher level of competition learning more about rules and regulations while at the same time maintaining fitness and skill levels. Students will learn the rules and regulations associated with school, PIAA and Youth AA related sports such as Baseball/Softball, Basketball, Soccer, and Lacrosse, and explore a variety of other sports such as Ultimate Frisbee, Frisbee Golf, Flag Football, Tennis, Badminton, Volleyball, Pickleball, etc. Interested students will have the opportunity to independently explore certifications to officiate Youth AA and PIAA sporting events while refereeing their peers on the field of competition.

Child Development	Course 620	0.5 Credit EL	Grades: 10,11,12	HAC Access
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This course deals with the development of a child and the issues s/he may face as they grow up. The influence of the family and the impact of the way basic needs are met early in life are examined. Differences between boys and girls will be observed and analyzed as well as each facet of how a child development. Developmental milestones (skills/abilities that should be achieved by a certain age) will be identified and discussed. Special relevant issues such as pregnancy, labor and childbirth, the impact of technology and the building of good self-esteem will be examined. This is a valuable course for those interested in career areas such as early childhood/elementary or secondary education, special education, day care supervision, social work, child psychology, pediatric medicine, and parenting.

Kinesiology	Course 046	0.5 Credit EL	Grades: 11,12	HAC Access
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Course Description in Development