

Visual Arts

AP ART HISTORY

8007-8008

Grade Level: 11, 12

Designed to parallel college-level Art History courses, AP Art History courses provide the opportunity for students to critically examine architecture, sculpture, painting, and other art forms within their historical and cultural contexts. In covering the art of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, media, and influences and to formulate and articulate their reactions to various kinds of artwork. One or two semesters. One-half or one credit. Students who enroll in this course are required to take the AP exam in the Spring. Advanced placement test fee may be required. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

Photo Imaging

5715

Grade Level: 9, 10, 11, 12

Photo Imaging teaches the technical skills needed to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to take, edit and manipulate digital images. Students will also explore basic techniques of photography including exposure, composition and camera use. One semester. ½ credit.

CREATIVE PHOTOGRAPHY 2

8134-8135

Prerequisite: Creative Photography 1 or teacher approval

Grade Level: 11, 12

Students will extend work begun in Creative Photography 1 to include the study and application of advanced techniques. Two semesters. One credit. **Project fee required, access to 35mm manual camera** *This class counts towards 1.0 Fine Arts Credit required for graduation.*

CREATIVE PHOTOGRAPHY 3

8129-8130

Prerequisite: C or higher in Photo Imaging

Grade Level: 11, 12

Students will extend work begun in Creative Photography 2 to include the study and application of advanced techniques.

SPECIAL ART PRODUCTION—Drawing & Painting

8381-8382

SPECIAL ART PRODUCTION—Photography

8381-8382

35mm camera, **Project fee required**

SPECIAL ART PRODUCTION—Pottery & Sculpture

8381-8382

Prerequisite: Teacher approval (for all 3 versions of Special Art Production)

Grade Level: 11, 12

Special Art Production courses are long term advanced art studies and/or production in art. This course is designed for advanced students who are self-motivated and able to work independently with minimal instruction or assistance. This course requires teacher approval and must meet certain departmental guidelines. Two semesters. (This course may be repeated for credit.) One credit. **Project fee required.** *This class counts towards 1.0 Fine Arts Credit required for graduation.*

DRAWING AND PAINTING 2

8261-8262

Prerequisite: C or higher in Drawing and Painting 1 or teacher approval

Grade Level: 11, 12

Students in this course will extend work begun in Drawing and Painting 1 to include the study and applications of advanced techniques. Two semesters. One credit. **Project fee required.** *This class counts towards 1.0 Fine Arts Credit required for graduation.*

DRAWING AND PAINTING 3

8173-8174

Prerequisite: Drawing/Painting 2

Grade Level: 11, 12

Students will extend work begun in Drawing/Painting 2 to include the study and application of advanced techniques.

AP STUDIO ART

8055-8056

Grade Level: 11, 12

AP Studio Art courses are designed for students with a professional or academic interest in two-dimensional or three-dimensional art. These courses focus on a variety of concepts and approaches in Drawing/Painting, 2-D Design, and 3-D design (ceramics/sculpture), enabling the students to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. Such conceptual variety can be demonstrated through either the use of one or the use of several media. Teacher approval required. Advanced placement test fee may be required. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

INTRODUCTION TO DRAWING

5769

Grade Level: 9 and above

This course emphasizes the development of fundamental drawing skills. Focus will be on the application of art theory, processes and techniques that increase the power of observation. Instruction includes the elements and principles of design as applied in composition through hard copy and/or electronic software. One semester. ½ credit. **Project fee required.** *This class counts towards .5 Fine Arts Credit required for graduation.*

POTTERY AND SCULPTURE 1

8311

Grade Level: 9,10,11,12

Ceramics/Pottery 1 courses engage students in a sequential learning experience that encompasses the history of ceramics, critiquing their own work and the work of others, aesthetic inquiry, and creative production. They develop knowledge of ceramic techniques and processes with an emphasis on creative design and craftsmanship. Experience includes, but is not limited to, clay modeling, hand building, coil building, casting, sculpture and throwing on the potter's wheel. Students develop a working knowledge of kiln firing and glazing techniques. Project fee required. This class counts towards .5 Fine Arts Credit required for graduation.

POTTERY AND SCULPTURE 2

8261-8262

Prerequisite: Pottery and Sculpture 1

Grade Level: 10,11,12

Students in this course will extend work begun in Ceramics/Pottery 1 to include the study and applications of advanced techniques. This class counts towards 1.0 Fine Arts Credit required for graduation.

PRINCIPLES OF ILLUSTRATION**5778**

Grade Level: 9,10,11,12

This one semester course in fine art and technical education offers students an opportunity to explore careers in illustration with hands on instruction in both traditional illustration methods (pen, pencil, paint, ink) and digital illustration. Intro to illustration is a prerequisite for Graphic Design, and will help students in a variety of high school course work from English, Social Studies, Geometry, Anatomy, and other fine arts courses. This class counts towards .5 Fine Arts Credit.

GRAPHIC DESIGN**5781-5782**

Prerequisite: Principles of Illustration or Teacher Approval

Grade Level: 10,11,12

Graphic Design focuses on creating images for web pages, books, and other media. Students have the opportunity to explore creatively designing artwork for such projects as comics, basic animation technique, book or magazine covers, advanced illustration, advertising and multi-media through use of typography, photography, digital painting and drawing with state of the art equipment and software. This course is project based and students have the opportunity to participate in work study and contests for scholarships and cash prizes.

PROJECT MANAGEMENT IN GRAPHIC DESIGN**5755-5756**

Prerequisite: Graphic Design, or Teacher Approval

Grade Level:11,12

Using an AP curriculum, students expand their Graphic Design Portfolio using technique learned in Graphic Design and Principles of Illustration. Students have the opportunity to explore real life jobs while they build a college ready portfolio. Students have the opportunity to apply for AP 2D Credit during second semester and may qualify for college equivalent credit while in high school!

BUSINESS**ACCOUNTING****6013-6014**

Grade Level: 10, 11, 12

Software: Excel, Virtual Business Accounting Online

Accounting covers the basic principles of accounting for both a student wanting to own their own business, as well as a student wanting to work for a large corporation. It will benefit students for both business and personal applications. In the second semester, this course will develop the skills necessary for entry-level employment in the accounting field, or a related job. The course is an excellent preparation for college level business classes. Workbook Fee is required. Two semesters. One credit.

ADVANCED ACCOUNTING**6015-6016**

Prerequisite: Accounting

Grade Level: 11, 12

Software: Excel, Virtual Business Accounting Online

Advanced Accounting is designed for students who are college-bound or preparing for a job. The curriculum is equivalent to a college accounting course, but at a level suitable for high school students. Topics covered will include marketable securities, uncollectible accounts, accruals, inventories and investments, plant assets and depreciation, and stock distributions. Computer software will be used often throughout this course, and business simulations will

be used to develop and reinforce accounting concepts. A Project Fee is required. Two semesters. One credit.

COMPUTER ESSENTIALS**5735**

Grade Level: 9, 10, 11, 12

Software: Word, Excel, Access, PowerPoint

Computer Essentials introduces the student to the software of the business world and is taught in a business computer lab. This course includes computer concepts, keyboarding review, word processing, basic spreadsheets with charts and graphs, and basic database design. Students will create and format documents correctly for business and personal use. Business simulation activities will be used to introduce the student to the business environment and the type of documents frequently used. A Project Fee is required. One semester. One-half credit.

COMPUTER GRAPHICS-The Basics**5741**

Grade Level: 9, 10, 11, 12

In Computer Graphics, students will use both Photoshop and Illustrator from the Adobe Master Collection CS5 software package. They will focus on using multiple tools and other elements of the programs to produce documents that incorporate visual imagery, graphic techniques, appropriate font styles and good design concepts. They will also do some basic retouching of images or digital pictures. A variety of projects will be created including, but not limited to, flyers, posters, invitations, and other real-world applications. A Project Fee is required. One Semester. One-half credit.

COMPUTER GRAPHICS-Projects**5742**

Grade Level: 9, 10, 11, 12

Students will focus on using the computer and printer as a publishing tool to create various documents using InDesign from the Adobe Master Collection CS5 software package. The students will use text, graphics, and principles of design to produce professional layouts such as flyers, brochures, letterheads, etc. A Project Fee is required. One Semester. One-half credit.

ANIMATION**5793**

Grade Level: 9, 10, 11, 12

Software: Adobe Flash and Adobe After Effects

Animation focuses on the development of digitally generated and/or computer-enhanced media, interactive animation, graphic representation, recording media, and adding visual effects to video. The software used in the course is Adobe Flash and Adobe After Effects. This course can be taken for either Computer Studies or Business Education credit. A Project Fee is required. One semester. One-half credit.

INTERACTIVE MEDIA**5700**

Grade Level: 9, 10, 11, 12

Interactive Media is designed to provide students with the knowledge and skills to create, design, and produce interactive media products and services. The course will emphasize the development of digitally generated and /or computer-enhanced media. Course topics will include animation, graphic and digital media, web tools, and game programming.

AUDIO/VIDEO PRODUCTION FUNDAMENTALS 5744

Grade Level: 9, 10, 11, 12

Software: Adobe Premiere and Sound Booth

Audio/Video Production Fundamentals is designed to provide students with a basic understanding of producing video for a variety of uses (presentations, commercials, TV, etc). Students will learn how to shoot and edit video. Various equipment and software programs will be used throughout the class. This class will include group projects and presentations, but will consist primarily of independent work to complete assignments. Attendance in this class is very important since all work can only be completed at school. At the end of the semester, students will receive a DVD of all their projects completed throughout the semester. Project Fee is required. One semester. One-half credit.

DIGITAL VIDEO PRODUCTION 5725-5726

Prerequisite: Audio/Video Production Fund. and Teacher Approval

Grade Level: 10, 11, 12

Software: Adobe Photoshop, Premiere, and After-Effects

Digital Video Production will allow students to apply skills learned in Audio/Video Production Fundamentals through various projects. Students will be in charge of running and creating content for various media outlets throughout the building. The students are responsible for attending various events throughout the year to get photos or video to be used in class. Most content will be created through the use of Photoshop, Premiere, and After- Effects. Students will also create a variety of productions throughout the year. This class requires the student be enrolled all year and attendance is very important. Project Fee is required. Two semesters. One credit.

DIGITAL MEDIA DESIGN AND PRODUCTION 5745-5746

Prerequisite: Digital Video Production and Teacher Approval

Grade Level: 11, 12

Digital Media Design & Production is an application level course in the A/V strand of the A/V Communications pathway. It is designed to provide students with the opportunity to apply the fundamental techniques learned in the Digital Video Production and Audio/Video Production Fundamentals courses through the production of a multi-media project for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video or other content in digital formats.

WEB PAGE DESIGN 6743

Prerequisite: Computer Essentials or Computer Graphics is recommended

Grade Level: 10, 11, 12

Software: HTML/Notepad and Adobe Dreamweaver CS5

Web Page Design will allow students to create web pages using a variety of software programs. Students will learn how to create web pages using HTML code, as well as, Adobe Dreamweaver. This class will create two complete websites, one in HTML and one in Dreamweaver. Attendance is very important in this class since all work must be done at school. This course may be taken for Fine Arts Credit. Project Fee is required. One semester. One-half credit.

PRINCIPLES OF MARKETING 6611-6612

Prerequisite: Business Essentials or Instructor Approval

Grade Level: 10, 11, 12

This course introduces key marketing concepts, the role of marketing within organizations, and the role of marketing in society. Topics include selling, product management, distribution, promotion, pricing, market research, and market planning. As an added component to the classroom learning, students will engage in hands on, real world activities to apply and assess their knowledge. Students will experience a variety of instructional methods including guest speakers, computer simulations and DECA activities. Student participation in the co-curricular club, DECA, is strongly encouraged but not required. DECA members benefit from scholarship, competition, and travel opportunities. Two semesters. One credit.

MARKETING APPLICATIONS 6629-6630

Prerequisite (any of the following): Marketing, Youth Entrepreneurs, Sports and Entertainment Marketing, or Instructor Approval

Grade Level: 11, 12

This course furthers student understanding and skills in the various marketing functions as it pertains to the operations of our two school based enterprises at Wichita East, The Ace Place and The Landing. Students coordinate management activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in the promotional mix, and demonstrate specialized sales processes and techniques. Students enrolled in this course will be active participants in DECA school store operations; therefore membership in DECA is required (registration fee). DECA members benefit from scholarship, competition, and travel opportunities. Two semesters. One credit.

SPORTS AND ENTERTAINMENT MARKETING 6801

Grade Level: 10, 11, 12

This course will provide a background in the fields of Sports and Entertainment Marketing (SEM). This interactive class will cover a variety of marketing topics related to sports and entertainment marketing. Case studies, class projects and videos will be utilized in the presentation of the course content. Promotional influences relating to these fields of marketing will be covered. Student participation in the co-curricular club, DECA, is strongly encouraged.

One semester. One-half credit.

6743

YOUTH ENTREPRENEURS 1 & 2**6888-6889**

Grade Level: 10, 11, 12

Supported by the non-profit Youth Entrepreneurs Kansas, Youth Entrepreneurs 1 & 2 is a valuable experience for any student with a dream and the drive to support themselves as entrepreneurs as they strive to become the business leaders of tomorrow. Students will have an opportunity to plan for and “own” a business with Market Day. After an introduction of self-discovery and basic economic principles, students learn the fundamental of Market-based Management and business development (marketing, accounting, finance, etc.). With this foundation of economic thinking, students begin the process of figuring the feasibility of their business ideas with the help of Business Plan Advisors who are professionals from the community. Our teachers are supported with resources, volunteers and field trips throughout the year to ensure a valuable, real world experience. From Market Day to their own dreams, students continue to explore the feasibility of their own businesses as they set out to complete an extensive business plan. Marketing, accounting, and business development will be combined with critical and lateral thinking skills to ensure students are ready for a classroom Business Plan Competition with the possibility for advancement to the regional, state and national levels. *Dare to Dream*, a business conference for YE students, focuses on business skills, expectations, leadership and responsibility as well as the importance of networking. Students who complete the Business Plan and present it are considered alumni and are eligible for scholarships, partnerships and other opportunities through Youth Entrepreneurs Kansas. Students should come to Youth Entrepreneurs with a strong desire for success, good reading, math and writing skills in addition to good attendance. Youth Entrepreneurs 1 and Youth Entrepreneurs 2 must be taken in sequential order in the same school year. Two semesters. One credit.

BUSINESS ESSENTIALS**6720**

Grade Level: 9, 10, 11, 12

Business Essentials is a core course designed to give students an overview of business, marketing and finance careers. Students will participate in a variety of learning activities in the areas of economics, entrepreneurship, marketing, finance, and business law. In the final unit of study, students will identify employability and personal skills needed to obtain a career and be successful in the workplace as well as explore specific career and post-secondary education opportunities. One semester. One-half credit.

INVESTING**6521**

Grade Level: 10, 11, 12

Investing will inform and prepare students to manage, invest, and grow their finances. Students will play the Stock Market Game, and learn how to make \$1,000,000 through investments. Other topics addressed include: stocks, bonds, mutual funds, commodities, real estate, insurance, and more!... One semester. One-half credit.

PRACTICAL LAW**6173**

Grade Level: 10, 11, 12

Practical Law provides practical legal information necessary for students to develop conflict resolution skills in our society. Topics that are covered are: court system, criminal law, juvenile law, search and seizure, torts, family law and our legal rights and responsibility. Lots of case studies and practical application is incorporated into the course. One semester. One-half credit

BUSINESS LAW**6170**

Grade Level: 10, 11, 12

Business Law is the study of basic legal principles common to everyday business activities. Lecture, problem solving, case studies and court videos are among the methods of teaching. Students will study the development and structure of our legal system through the State, Local and Federal courts. Students will also explore contracts, personal property laws, bailment, commercial paper including negotiable instruments, credit, bankruptcy, and explore the Federal agencies that govern these practices.

PEER LEADERSHIP SKILLS/YOUTH COURT 9115-9116

Prerequisite: Teacher Approval/application

Grade Level: 10-12

Application course in which students will demonstrate technical skills related to careers in the legal and judicial field. Students will demonstrate courtroom procedures by playing the roles of Attorney’s, Judge, Jury and Bailiff. Students will practice and use effective listening skills, problem solving and critical thinking during the questioning and deliberation processes. Youth Court is based on restorative justice principles through the deliberation and sentencing phases with an emphasis on actions needed to reconcile the original situation. Students will also play an active role in Community Service by mentoring students from Hyde Elementary School. Students who want to be in Youth Court will go through an interview process and must demonstrate good leadership and academic skills.

BUSINESS MANAGEMENT**6706**

Grade Level: 10, 11, 12

Business Management will allow students to practice owning, operating, and managing a business. The course will provide students with the skills needed to plan, staff, finance, and control day to day business operations. We will also examine how industry, government, and the global economy may affect your business. The course will emphasize real-world applications of business concepts, to allow the student to evaluate business decisions. One semester. One-half credit.

BUSINESS COMMUNICATIONS**6705**

Grade Level: 10, 11, 12

Prerequisite: Business Management

In Business Communications, students will learn to develop an understanding and appreciation for effective communication in the business world. By using real world business examples, all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication, will be emphasized throughout this course. Business communication skills will be applied to real world scenarios to examine how effective communication could have benefitted both current and historical events. One semester. One-half credit.

COMPUTER PROGRAMMING

Prerequisite: Algebra 1
Grade Level: 9, 10, 11, 12
Software: Visual Basic

Computer Programming is the first course that should be taken in the computer programming series. Students in this course will study computer systems, computer applications, social implications of computing, and an elementary treatment of the Visual Basic.net programming language. The structure of this course is designed to balance computer awareness with programming activities. The student will develop independent problem solving skills in computer programming. In this course, students will study programming methodology, algorithms, and data structures using the Visual Basic.net programming language. Top-down design will be emphasized for program development. Advanced features of Visual Basic will be covered such as arrays, sorts, searches, records, and data management. A Project Fee is required. Two semesters. One credit.

5747-5748 **Systems 1 & 2 must be taken in sequential order in the same school year.** A Project Fee is required. Two semesters. One credit.

ADVANCED COMPUTER PROGRAMMING

Prerequisite: Computer Programming
Grade Level: 10, 11, 12
Software: C++ and Java

Advanced Computer Programming is the second course that should be taken in the computer programming series. In this course, students will learn to code fluently in a well-structured fashion using the C++ and Java programming languages. Emphasis will be on programming methodology, algorithms, data types and structures. The student will be expected to design and implement computer based solutions to problems using the algorithms in several application areas. Extensive treatment of programming methodology, data types, structures, binary trees, stacks, queues, file use, and algorithms will be stressed. High level documentation will be taught. Content and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Program. A Project Fee is required. Two semesters. One credit.

5705-5706

GAME DESIGN

Prerequisite: Advanced Computer Programming/Teacher Approval
Grade Level: 11, 12
Software: Microsoft XNA

Game Design will explore the basic game development process and use lifecycle as well as the creation and use of basic game design. Game technologies represent the culmination of logic, sequence, tool utilization, and extension of skill. The programming process for this course will utilize all previously learned factors of programming logic, artistry, and interactivity. This will utilize Microsoft XNA and draw heavily on the Advanced Programming coursework. A Project Fee is required. Two semesters. One credit.

5775-5776

IT HARDWARE BASICS

Prerequisite: Interview and instructor approval
Grade Level: 9, 10, 11, 12

Computer Systems 1 & 2 will enable students to learn hands-on skills that are relevant to a wide variety of computer/technology careers. The areas studied will include installation, configuration, and upgrading of hardware, diagnosing and troubleshooting hardware, and safety and preventive maintenance. These courses will include mastery of material included in the A+ Certification curriculum. Computer Systems 2 is a continuation of the first semester's work. **Computer**

5783-5784

FINANCIAL LITERACY

Grade Level: 11, 12
Technical Level

This course provides students with the basic skills and knowledge needed to effectively manage one's personal finances. Topics covered include the following: an overview of personal financial management, careers, income and taxes, budgeting, bank accounts, credit and credit risks. Projects will be conducted throughout the course to provide experiences assisting students in developing effective consumer habits. One semester. One-half credit.

7610

HONORS FINANCIAL LITERACY

Grade Level: 11, 12

Students taking Honors Financial Literacy will have the opportunity to explore and build an in-depth foundation to assist them in successfully managing their personal finances. Students will study financial management, income and taxes, budgeting, banking concepts, and the world of credit. In addition, students will discover career opportunities in the field of finance. Projects will be conducted throughout the course to provide the students with experiences to assist them in developing effective consumer habits. Finally, students will go through an online finance simulation to apply the knowledge they learn in class along with completing an in-depth portfolio the knowledge they gained from the class.

6521

ENGLISH-LANGUAGE ARTS

ENGLISH 1

Grade Level: 9

In this course students will develop their understanding and use of writing, reading, oral language and literature. Students will write summaries, exposition, and personal narratives; will apply reading strategies while reading world literature; will develop a mini-research project and will develop speaking/listening skills. Two semesters. One credit.

1211-1212

ENGLISH 1 HONORS

Grade Level: 9

Building on the English 1 curriculum, students will extend their use of language and literature by covering additional pieces of literature in depth and doing independent/outside reading and writing assignments. Along with literary analysis which requires above-average reading skills and a strong work ethic, considerable attention will be given to studying grammar and usage, writing multi-paragraph essays, building vocabulary, and developing presentation skills. Two semesters. One credit.

1213-1214

ENGLISH 2

Prerequisite: English 1
Grade Level: 10

In this course students will expand their understanding and use of writing, reading, oral language and literature. Students will write summaries and expository essays; will apply reading strategies while reading both fiction and nonfiction from different periods and cultures; will produce a mini-research paper on a possible career and will continue to develop speaking and listening skills. Two semesters. One credit.

1221-1222

ENGLISH 2 HONORS **1223-1224**
Prerequisite: English 1
Grade Level: 10
Building on the English 2 curriculum, students will extend their use of language and literature by covering additional pieces of literature in depth and doing independent/outside reading and writing assignments. Along with literary analysis which requires above-average reading skills and a strong work ethic, considerable attention will be given to studying grammar and usage, writing multi-paragraph essays, building vocabulary, and developing presentation skills. Two semesters. One credit.

ENGLISH 3 **1231-1232**
Prerequisite: English 1, 2
Grade Level: 11
In this course students will develop greater sophistication in their understanding and use of writing, reading, oral language and literature. Students will write a literary analysis, a persuasive paper, a timed in-class paper, and a research paper; will read American literature, reading both fiction and nonfiction from different periods and cultures; and will refine speaking and listening skills through oral presentations. Two semesters. One credit.

ENGLISH 3 HONORS **1233-1234**
Prerequisite: English 1, 2
Grade Level: 11
Building on the English 3 curriculum, students will extend their use of language and literature by covering additional pieces of literature in depth and doing independent/outside reading and writing assignments. Along with literary analyses which require above-average reading skills and a strong work ethic, considerable attention will be given to studying sentence structure, word choice, writing multi-paragraph essays, building vocabulary, and developing presentation skills. Two semesters. One credit.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION **1161-1162**
Prerequisite: English 1, 2
Grade Level: 11
In this course, students will read prose written in a variety of periods, disciplines, and rhetorical contexts and write prose of sufficient richness and complexity to communicate effectively with mature readers. Students will become aware of the interactions among a writer's purposes, audience expectations, and subjects. Students will be taught the principles of discourse and rhetorical analysis, including media studies. Requires above-average reading skills, willingness to engage with difficult texts, and a strong work ethic. Students who enroll in this course are required to take the AP exam in the Spring. Advanced placement test fee may be required. Two semesters. One credit.

ENGLISH 4 **1561-1562**
Prerequisite: English 1, 2, and 3
Grade Level: 12
English 4 is designed to help high school students develop and refine career-related communication skills: reading, writing, teaming, listening, speaking, problem-solving, and verbal and nonverbal skills. These skills are learned through application and practice. Two semesters. One credit.

HONORS ENGLISH 4 **1153-1154**
Prerequisite: English 1, 2, 3
Grade Level: 12
In this course, students will unify and apply their study of composition, language, and literature. The emphasis in language is the application of all the enabling skills in composition for their use in writing all forms of composing. The emphasis of composition is on application of skills with attention given to individual style. The study of literature continues the emphasis on genres with attention to historical, social, and political implications of literature. Two semesters. One credit.

ADVANCED PLACEMENT LITERATURE **1201-1202**
Prerequisite: English 1, 2, 3
Grade Level: 12
In this course students will study college-level literature and conduct literary analysis designed to prepare students for the critical thinking, analytical, and writing skills necessary for success in college. The content of this course, examinations, and writings will follow the guidelines of the Advanced Placement Program. Two semesters. One credit. Students who enroll in this course are required to take the AP exam in the spring. Advanced placement test fee may be required.

CREATIVE WRITING I **1540**
Prerequisite: English 1
Grade Level 10, 11, 12
In this course students will develop creative talents in writing articles, poetry, short stories, and drama with emphasis on writing quality short pieces. One semester. One-half credit.

CREATIVE WRITING 2 **1541**
Prerequisite: Creative Writing 1
Grade Level: 10, 11, 12
In this course students will develop creative talents in writing articles, poetry, short stories, and drama. Students will work on the school creative magazine. One semester. One-half credit.

DEBATE 1 **1011**
Grade Level: 9, 10, 11, 12
(First Semester Only)
In this course students will develop skills in systematic and logical habits of thinking, practice in preparing briefs, using research techniques, argumentative speaking, and refutation. First-year debate students will participate in tournaments (held on Saturdays) and must meet KSHSAA grades and eligibility requirements. Students should be highly motivated. Students must meet at least a proficient standard in reading. One semester. One-half credit.

DEBATE 2 **1020**
Prerequisite: Debate 1, Teacher Approval
Grade Level: 10, 11, 12
(First Semester Only)
In this course students will continue to develop skills in systematic and logical habits of thinking, practice in preparing briefs, using research techniques, argumentative speaking, and refutation through frequent classroom speeches and debates. Debate 2 students will participate in interscholastic competition (Fridays and Saturdays) as experienced debaters and must meet KSHSAA grades and eligibility requirements. One semester. One-half credit.

DEBATE 3 **1030**
Prerequisite: Debate 1, 2, and Teacher Approval
Grade level: 11, 12
(First Semester Only)
In this course students will develop advanced skills in systematic and logical habits of thinking, practice in preparing briefs, using research techniques, argumentative speaking, and refutation through frequent classroom speeches and debates. Debate 3 students will participate in interscholastic competition (Fridays and Saturdays) as experienced debaters and must meet KSHSAA grades and eligibility requirements. One semester. One-half credit.

DEBATE 4 **1031**
Prerequisite: Debate 1, 2, 3 and Teacher Approval
Grade Level: 12
(First Semester Only)
In this course students will continue to develop and refine advanced skills in systematic and logical habits of thinking, researching, and argumentative speaking and refutation through extensive competition both in the classroom and at tournament competition. Original research and advanced analytical thinking will be stressed at the Debate 4 level. Students will participate in interscholastic competition (Fridays and Saturdays) as experienced debaters and must meet KSHSAA grades and eligibility requirements. One semester. One-half credit.

DRAMATICS 1 **1111-1112**
Grade Level: 9, 10, 11, 12
In this course students will study the broad areas of acting, stagecraft, theatrical history, stage movement, costumes, make-up, lighting, play form, and pantomime. Students will see full-length plays as well as read and discuss contemporary drama. Students will learn how to criticize and evaluate a play, a movie, or a television play. Students will study, learn, and use safety rules and practices in theatre productions. Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

DRAMATICS 2 **1121-1122**
Prerequisite: Dramatics 1 and teacher approval
Grade Level: 10, 11, 12
In this course students will study acting techniques through sensory recall, emotional recall, concentration, vocal techniques, organizing a role, memorizing, improvising, voice and diction, and stage movement. Students will perform monologues, duets, one-act plays, as well as three-act plays and musicals. Students will study, learn, and use safety rules and practices in theatre productions. Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

Repertory Theatre **1145-1146**
Prerequisite: Completion of Drama 1 and placement is by audition only
Grade Level: 10, 11, 12
Criteria for entrance will include prior drama experience, ability and/or interest, and performance quality. Students must possess exceptional dramatic qualifications, including knowledge of technical theatre. Students are required to work with mainstage and repertory lab productions through the year in this performance based course. Students will participate in various theatrical production mediums. This course may be repeated for credit. Two Semesters - 1.0 credit

FILM STUDIES 1 **(8087-8088)**
FILM STUDIES 2 **(8091-8092)**
FILM STUDIES 3 **(8091-8092)**
Prerequisite: Drama 1, Pre-IB Art, Intro to Art, &/or teacher approval
Grade Level: 10-12
Students will approach film in three ways: 1. How films are created: from scriptwriting to acting for the camera, to post-production, including detailed studies of film sequences. 2. Film theory and history: a study of the great films and film makers from the last hundred years, including those from other countries or film-making traditions. 3. Film production: from production companies formed within the class students will produce original short films. Two semesters. One credit

FORENSICS 1 **1251**
Grade Level: 9, 10, 11, 12
(Second Semester Only)
In this course students will learn fundamentals of competitive speaking in oration, dramatics, duet, oral interpretation, and informative and extemporaneous speaking. Students will participate in tournaments (held on Saturdays) and must meet KSHSAA grades and eligibility requirements. One semester. One-half credit.
This class counts towards 1.0 Fine Arts Credit required for graduation.

FORENSICS 2 **1252**
Prerequisite: Forensics 1 and Teacher Approval
Grade Level: 10, 11, 12
(Second Semester Only)
This course emphasizes advanced competitive speaking in oration, dramatics, duet, oral interpretation, and informative and extemporaneous speaking. Students will participate in interscholastic competition (Saturdays) and must meet KSHSAA grades and eligibility requirements. One semester. One-half credit.
This class counts towards 1.0 Fine Arts Credit required for graduation.

FORENSICS 3 **1253**
Prerequisite: Forensics 1, 2, and Teacher Approval
Grade Level: 11, 12
(Second Semester Only)
This course emphasizes advanced competitive speaking in oration, dramatics, duets, oral interpretation, and informative and extemporaneous speaking. Students will participate in interscholastic competition (Saturdays) and must meet KSHSAA grades and eligibility requirements. One semester. One-half credit.
This class counts towards 1.0 Fine Arts Credit required for graduation.

FORENSICS 4 **1254**
Prerequisite: Forensics 1, 2, 3 and Teacher Approval
Grade Level 12
(Second Semester Only)
This course continues to emphasize advanced competitive speaking in oration, dramatics, duets, oral interpretation, and informative and extemporaneous speaking. Students will participate in interscholastic competition (Saturdays) and must meet KSHSAA grades and eligibility requirements. One semester. One-half credit.
This class counts towards 1.0 Fine Arts Credit required for graduation.

SPEECH 1**1731**

Grade Level: 11, 12

In this course students learn the fundamentals of public speaking, including communication theory, informative speaking, persuasive speaking, and delivery. Speaking before real and assumed audiences is stressed. Concurrent enrollment for WSU credit is available (student must pay WSU tuition and book fees). One semester. One-half credit.

FAMILY & CONSUMER SCIENCE**INTRODUCTION to FAMILY and CONSUMER SCIENCES****7675**

Grade Level: 9 - 10

Entry Level

This introductory level course exposes students to the many career opportunities pertaining to Family and Consumer Sciences.. Course topics include basic information related to Culinary Arts, Early Childhood Education, Interior & Textile Arts, Family & Human Services, and Education K-12. One semester. One-half credit.

PARENTING/CHILD DEVELOPMENT**7600**

Grade Level: 10, 11, 12

Technical Level

Students will study human growth and development and the physical, intellectual, social and emotional development of children from conception to age three with emphasis on awareness of the special responsibilities of parenting and discipline of child rearing. Situations in which students learn to observe, record, compare, research, and discuss behavior of children in this age group will be used as a means toward understanding. One semester. One-half credit.

WORLD OF CHILDREN**7900**

Grade Level: 10, 11, 12

Technical Level

Students in this course will learn about the physical, intellectual, emotional, and social development of children ages three to six. Students will observe and practice lessons in art, music, storytelling, and play appropriate for preschool children. Emphasis will be placed on normal development and on assisting children in dealing with crises such as divorce or death. One semester. One-half credit.

EARLY CHILDHOOD FOUNDATIONS**7611-7612**

Prerequisite: Parenting/Child Development or World of Children

Co-requisite: Early Childhood Laboratory and Teacher Approval

Grade Level: 11, 12

Technical Level

Students plan an early childhood curriculum in the classroom and teach that to preschoolers enrolled in the Child Development Center. Students receive instruction and guidance in organizing art, storytelling, music, nutrition, and play. During the course, students will complete child care licensing requirements. Students must be concurrently enrolled in Early Childhood Laboratory (course number 7673-7674). Two semesters. One Credit.

EARLY CHILDHOOD LAB**7613-7614**

Co-requisite: Early Childhood Foundations

Grade Level: 11, 12

Application Level

Students work as aides/caregivers in assisting activities of children in the Child Development Center. Students must be enrolled concurrently in Early Childhood Foundations. Two semesters. One credit

ESSENTIALS OF INTERIOR & TEXTILES**5752-5749**

Grade Level: 10, 11, 12

Technical Level

This class introduces students to the various parts of the interior, fashion and textile design industry. Students will learn to apply the principles and elements of design, study fibers and fabrics, and explore the variety of careers related to the interior, fashion and textile design industry. An emphasis will be on the skills utilized in the field of Interior Design. Students will create floor plans by drawing and utilizing Chief Architect software and develop sample boards with room finishes. They will study such topics as home exterior styles, furniture styles, window treatments and other aspects of interior design. Two semesters. One full credit. One half fine arts credit.

INTERIOR & TEXTILE MERCHANDISING**5759-5799****Grade Level: 10, 11, 12**

Technical Level

The class centers upon the merchandising or selling of interior, fashion and textile products such as clothing and home décor items. Topics include exploring fashion cycles, designers, trends and style as well as techniques in coordination, promotion, display and sales of interior and textile items. Textile production (sewing) skills will be incorporated into this class. Students will learn how to operate the sewing machine, implement hand sewing techniques and construct several textile projects. There is a fee for the class. Two semesters. One full credit.

INTERIOR & TEXTILE DESIGN STUDIO**5789-5790**Pre-requisite: Essentials of Interior & Textile Design **OR** Interior & Textile Merchandising

Grade Level: 11, 12

Application Level

This is a project based class designed to provide students with the opportunity to expand knowledge and experiences with interior and textile products. Interior and textile design vocabulary, materials and processes will be utilized as the design elements and principles are applied to the design and creation of projects. Skills learned in technical classes will be utilized in hands-on professional learning experiences and projects. Students will develop their own design style and plan designs to meet the needs of clients. A lab fee is charged for this class. Two semesters. One full credit.

CULINARY ESSENTIALS**6732**

Grade Level: 9, 10, 11, 12

Technical Level

This is a beginning food preparation course. It will provide students with introductory knowledge and skills related to commercial and institutional food service establishments. Course topics include sanitation and safety procedures, nutrition, food preparation skills, and meal planning and presentation. Culinary Essentials is a pre-requisite for any other food preparation course. There is a lab fee for this class. One semester. One-half credit.

FOOD SCIENCE**4601-4602**

Grade Level: 11, 12

Technical Level

Food Science students will use scientific methods to study the biological and chemical basis for food preparation, preservation, processing, and fermentation. Students develop reasoning skills through measuring, recording, and laboratory writing of short and exciting food projects. Through the study of food additives and labeling, students will be better informed consumers. Careers in food science will be investigated. This class is an applied Science course in the Family and Consumer Science foods lab by Family and Consumer Science teachers trained in food science. Students may receive credit either in Science or Family and Consumer Science. This course may count as the third science credit. Two semesters. One credit.

BAKING & PASTRY 1**6729**Pre-requisite: Successful completion of a grade of **C or better** in Culinary Essentials

Grade Level: 9, 10, 11, 12

Technical Level

Students will focus on instruction and skill development related to bakery items. Topics include the study of grain production, nutritional values and product performance. Baking experiences include yeast breads, quick breads, cakes (and cake decoration) and other baked desserts, product outcomes using various flours and storage methods. There is a lab fee for this class. One semester. One-half credit.

BAKING AND PASTRY 2**6730**

Pre-requisite: Baking and Pastry 1

Grade Level: 9, 10, 11, 12

Technical Level

Baking and Pastry 2 builds upon the Baking and Pastry 1 course by refining and expanding skills of production. Students will analyze the scientific reactions during the production of baked goods and address the finer aspects of the field. There is a lab fee for this class. One semester. One-half credit.

CULINARY ARTS 1**6727-6728**

Pre-requisite: Successful completion of Culinary Essentials with a grade C or higher.

Grade Level: 10, 11, 12

Technical Level

Skills recognized as important to the field of culinary arts will be the focus of this course. Topics include soups, sauces, garnishes, main dish preparation and presentation. Bakery and desserts will be touched upon, but will not be the main focus of this course. Catering experiences may be included as well as observations of those already in the field who work in food production or a culinary kitchen. Opportunities for culinary competition are available and highly encouraged.

There is a lab fee for this class. Two semesters. One full credit.

CULINARY APPLICATIONS**6725-6726**

Pre-requisite: 1 full technical credit in the Culinary Arts Pathway and Teacher Approval

Grade Level: 11, 12

Application Level

This course applies the skills needed in the culinary arts profession. It includes the application of skills within a school-based internship. Students enrolled in this course are expected to have mastered skills in the culinary field so that they are able to apply them in authentic

experiences following industry standards and regulations. There is a lab fee for this class. Two semesters. One full credit.

FAMILY STUDIES**7820**

Grade Level: 10, 11, 12

Students will study social, emotional, physical, and psychological growth during major life stages. Emphasis will be placed on awareness of self in relation to family and peer members. Units will include understanding stress, elements in a changing self, and examining personal decisions in areas such as drug use, AIDS/STD's, human sexuality, family life, crises, and community and personal resources. One semester. One-half credit.

NUTRITION AND WELLNESS**7823**

Grade Level: 10, 11, 12

Technical Level

This course is designed for any student who is concerned with healthy eating, weight management, fitness, and wellness issues related to the individual, family and/or clients. Students will learn about healthy eating and fitness habits and learn how to plan and select nutritious foods for a healthy diet. The information presented will aid students in making informed choices and behavior changes for a healthier lifestyle. Students interested in health-related careers or community service careers will begin a foundation of nutrition knowledge for working with clients. One semester. One-half credit.

COMMUNITY CONNECTIONS**7633**

Pre-requisite: Successful completion of one full credit in the Family and Community Services Pathway (Parenting/Child Development, World of Children, Family Studies, Nutrition & Wellness, Intro to FACS, Culinary Essentials)

Grade Level: 11, 12

Application Level

Community Connections course provides community based/school based learning experiences within the family and community services fields of study. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of the 21st century skills (i.e. leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in human services/family and consumer sciences related careers. A great course for those interested social work or other social service types of careers. Two semesters. One full credit.

TEACHING AS A CAREER**7601-7602**

Grade Level: 10, 11, 12

Technical Level

Thinking of becoming a teacher as your career? This class explores the field of education and the career of being a teacher from grades K-12. It is a similar introductory course required for beginning education majors at the college level. Don't miss out on this opportunity if you are giving thought to the career that prepares students for all others. College credit from WSU is available at a reduced cost for those who qualify. Two semesters. One full credit.

TEACHING OBSERVATION**7628-7629**

Grade Level: 11-12

Technical Level

Pre-Requisite: Successful completion (grade C or higher) of Teaching as a Career

Students will observe classrooms at all levels from K – 12th grade and as many subject areas as possible. Your own transportation is required to be able to travel to schools within the Wichita USD 259 school system. Students will complete observation forms and additional required paperwork for the class.

Two semesters. One full credit.

TEACHING INTERNSHIP**7603-7604**

Pre-requisite – Teaching as a Career (grade C or higher)

Grade Level: 12

Application Level

Students will be given the opportunity to work in a classroom with teachers and students at the desired level of teaching (elementary, middle or high school). The course may include classroom activities involving further study of the field or discussion regarding experiences that students encounter at their placement. Your own transportation will be required to get to and from your internship placement within the Wichita Public Schools. Two semesters. One full credit.**FOREIGN LANGUAGE****FRENCH 1****5101-5102**

Grade Level: 9, 10, 11, 12

This course is designed as an introduction to French language and culture. It acquaints the students with listening, speaking, reading, and writing skills while looking at French culture and geographical aspects of French-speaking regions. The emphasis at this level is on listening and speaking. Workbook fees applicable. Two semesters. One credit.

FRENCH 2**5111-5112**

Prerequisite: French 1 or IB (Grade 8)

Grade Level: 9, 10, 11, 12

This course is designed to continue the listening, speaking, reading, writing, and culture activities. There will be an emphasis on reading, writing, and culture. Workbook fees applicable. Two semesters. One credit.

FRENCH 3**5121-5122**

Prerequisite: French 2

Grade Level: 10, 11, 12

French will be used as the language of instruction in this course. Oral communication will continue to be stressed, with more of the responsibility for class presentations resting with the students. Students will study French literature and give oral and written reports in French. Workbook fees applicable. Two semesters. One credit.

FRENCH 4**5131-5132**

Prerequisite: French 3

Grade Level: 11, 12

French will be used as the language of instruction in this course. Increased proficiency in all four skills is the goal, with continued emphasis on the culture of French-speaking countries. Workbook fees applicable. Two semesters. One credit.

FRENCH 5**5161-5162**

Prerequisite: French 4

Grade Level: 12

French will be used as the language of instruction in the course. Increased proficiency in all four skills is the goal, with an emphasis on research into the literature of various French-speaking countries. Workbook fees applicable. Two semesters. One credit.

SPANISH FOR NATIVES 1**5485-5486**

Prerequisite: Teacher Approval

Grade Level: 9, 10, 11, 12

This class is designed for students already possessing fluent oral language but desiring to improve in their reading and writing skills in their native language. Workbook fees applicable. Two Semesters. One Credit.

SPANISH FOR NATIVES 2**5487-5488**

Prerequisite: Teacher Approval

Grade Level: 9, 10, 11, 12

This course is designed to continue improving the reading and writing skills of students who have fluent oral language as native speakers. Workbook fees applicable. Two semesters. One credit.

SPANISH 1**5411-5412**

Grade Level: 9, 10, 11, 12

This course is designed as an introduction to Hispanic culture and the Spanish language. It acquaints the students with listening, speaking, reading, and writing skills while looking at Hispanic culture and geographical aspects of Spanish-speaking regions. The emphasis at this level is on listening and speaking. Workbook fees applicable. Two semesters. One credit.

SPANISH 2**5421-5422**

Prerequisite: Spanish 1 or IB (Grade 8)

Grade Level: 9, 10, 11, 12

This course is designed to continue the listening, speaking, reading, writing, and cultural activities. There will be an emphasis on reading, writing, and culture. Workbook fees applicable. Two semesters. One credit.

SPANISH 3**5431-5432**

Prerequisite: Spanish 2

Grade Level: 10, 11, 12

Spanish will be the language of instruction in this course. Oral communication will continue to be stressed, with more of the responsibility for class presentations resting with the students. Students will study Hispanic literature and give oral and written reports in Spanish. Workbook fees applicable. Two semesters. One credit.

SPANISH 4**5441-5442**

Prerequisite: Spanish 3

Grade Level: 11, 12

Spanish will be the language of instruction in this course. Increased proficiency in all four skills is the goal, with continued emphasis on the culture of Spanish-speaking countries. Workbook fees applicable. Two semesters. One credit.

SPANISH 5

5451-5452

Prerequisite: Spanish 4

Grade Level: 12

Spanish will be the language of instruction in this course. Increased proficiency in all four skills is the goal, with an emphasis on research into the literature of various Spanish-speaking countries. Workbook fees applicable. Two semesters. One credit.

Journalism

21st CENTURY JOURNALISM & GRAPHIC DESIGN

FUNDAMENTALS

5711-5712

Grade Level: 9, 10, 11, 12 & previous year's English grades of A or B

These courses promote the development of the print and electronic media skill set needed today and in the future. Topics include a discussion of the role media and the communications industry has in society, the development of the technical skills related for journalistic interviewing, writing, designing, and computer software usage, and an exploration of the ethical and legal issues related to the journalism field. Two semesters. One credit

NEWSMAGAZINE and ELECTRONIC MEDIA STAFF 1 (DIGITAL MEDIA TECHNOLOGY) (Newspaper)

5713-5713T

Grade Level: 10, 11, 12 and teacher approval

This course provides students with the opportunity to apply the fundamental techniques learned in 21st Century Journalism and Graphic Arts Fundamentals courses through the production of multi-media projects for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video or other content in digital formats. Two semesters. One credit.

NEWSMAGAZINE and ELECTRONIC MEDIA STAFF 2 & 3 (PROJECT MANAGEMENT FOR COMMUNICATIONS) (Newspaper)

5727-5728

(Newspaper)

Grade Level: 11, 12 & instructor approval

This course provides an opportunity for students to determine and manage a print or electronic media project. Strategies include defining the project, determining sequential steps, creating a timeline, determining budget, assigning personnel, monitoring work in progress, and evaluating the final project. Ad sales and work nights are required. Two semesters. One credit.

YEARBOOK STAFF 1 (DIGITAL MEDIA TECHNOLOGY)

5707-5708

Grade Level: 10, 11, 12 and teacher approval

This course provides students with the opportunity to apply the fundamental techniques learned in 21st Century Journalism and Graphic Arts Fundamentals courses through the production of multi-media projects for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video or other content in digital formats. Two semesters. One credit.

YEARBOOK STAFF 2 & 3 (PROJECT MANAGEMENT FOR COMMUNICATIONS)

5717-5718

Grade Level: 11, 12 & instructor approval

This course provides an opportunity for students to determine and manage a print or electronic media. Strategies include defining the project, determining sequential steps, creating a timeline, determining budget, assigning personnel, monitoring work in progress, and evaluating the final project. Two semesters. One credit.

MATH

*****SEE PAGE 7 FOR MATH PLACEMENT RECOMMENDATIONS*****

ALGEBRA 1 (TIER 1)

2111-2112

Prerequisite: 1 unit of Pre-Algebra or equivalent or 1 unit of Algebra 1 with grade of F

Grade Level: 9

In this course, students will learn to communicate algebraically and to apply algebraic skills. Students will develop skills in manipulating signed numbers, graphing, working with formulas, and solving linear and quadratic equations. Two semesters. One credit.

ALGEBRA 1 (TIER 2)

2111-2112

Prerequisite: 1 unit of Pre-Algebra or equivalent or 1 unit of Algebra 1 with grade of F (in 8th grade)

Grade Level: 9

In this course, students will learn to communicate algebraically and to apply algebraic skills. Students will develop skills in manipulating signed numbers, graphing, working with formulas, and solving linear and quadratic equations. Two semesters. One credit. Students will also be concurrently enrolled in math lab for elective credit.

GEOMETRY (TIER 1)

2421-2422

Prerequisite: 1 unit of Algebra 1 with grade of A or B

Grade Level: 9, 10, 11

In this course, students will study properties of plane and solid figures. Emphasis will be upon obtaining information about geometric figures, developing logical thinking by means of proof, thinking in three-dimensional terms and developing an appreciation of the applications of geometry in the modern world. Students with credit in Geometry (Tier 2) may not enroll in this course. Two semesters. One credit.

GEOMETRY (TIER 2)

9257-9258

Prerequisite: 1 unit of Algebra 1 with grade of C or D or a grade of F in Geometry.

Grade Level: 10, 11

In this course, students will learn the same concepts as in Geometry but from an informal framework. A practical, intuitive, manipulative approach will be used. Students with credit in Geometry (Tier 1) may not enroll in this course. Two semesters. One credit

ALGEBRA 2 (HONORS) 2135-2136

Prerequisite: 1 unit of Algebra 1 with grade of A or B and 1 unit of Geometry with a grade of A, B, or C

(Students intending to go on to PreCalculus should enroll in this course.)

Grade Level: 9, 10, 11

In this course, students will continue to study concepts introduced in Algebra 1 and Geometry. Students will also study applications of these concepts: variation, progressions, polynomial functions, logarithms, complex numbers and matrix algebra. Two semesters. One credit.

ALGEBRA 2 2121-2122

Prerequisite: 1 unit of Algebra with a grade of C or D and 1 unit of Geometry with a grade of C or D

Grade Level: 10, 11, 12

In this course, students will continue to study concepts introduced in Algebra 1 and Geometry. Students will also study applications of these concepts: variation, progressions, polynomial functions, logarithms, complex numbers and matrix algebra. Two semesters. One credit.

ALGEBRA 3 2021-2022

Prerequisite: 1 unit of Algebra 2, or 1 unit of Honors Algebra 2 with grade D, or 1 unit of PreCalculus with grade of D

Grade Level: 11-12 or teacher recommendation

In this course, students will solidify concepts from Algebra 2, while focusing on preparation for College Algebra. Two semesters. One credit.

PRECALCULUS/TRIGONOMETRY 2151-2152

Prerequisite: 1 unit of Honors Algebra 2 with grade of A, B, or C (Repeating this course for no credit is strongly recommended if you make a C or below and intend to go on to Calculus).

Grade Level: 10, 11, 12

In this course, students will extend the concepts of Algebra 2 to include theories of functions, exponential and logarithmic functions, systems of equations, matrices, trigonometric equations, and trigonometric applications. Two semesters. One credit.

A P STATISTICS 2238-2239

Prerequisite: 1 unit of Honors Algebra 2 with grade of C or better, or 1 unit of Algebra 2 with grade of A or B

Grade Level: 11, 12

Students in this course will study methods of gathering and interpreting data. Applications of statistics to business, social sciences, games and health will be explored. Emphasis will be on student research. Mathematics skills will be reinforced and tools of technology will be used in analysis of data, probability, simulation, and statistical inference. Two semesters. One credit. Students who enroll in this course are required to take the AP exam in the Spring. Advanced placement test fee may be required.

A P CALCULUS 2248-2249

Prerequisite: 1 unit of Precalculus/Trigonometry with grade of A or B (Instructor consent with grade of C)

Grade Level: 11, 12

In this course, students will study university-level topics of limits, as well as differentiation and integration of algebraic, trigonometric, exponential and logarithmic functions as well as application of these.

The course content and examination will follow the guidelines of the College Entrance Examination Board and the Advanced Placement program. Two semesters. One credit. Students who enroll in this course are required to take the AP exam in the spring. Advanced placement test fee may be required.

MUSIC**BAND 2****8511-8512**

Grade Level: 9, 10, 11, 12

8511 is a prerequisite for 8512 annually. This course is designed for students who are continuing to develop instrumental skills. Placement is at the discretion of the director. Criteria for entrance will include prior instrumental experience, ability, aptitude, interest and desire. Students will study the development of tone and technique in order to enhance their personal performance skills and the performance of the ensemble. Understanding the basic elements of music will be stressed in this class. A standard instrumental text will be utilized as well as appropriate band literature, listening assignments and readings. Performing experiences will include concerts, some marching, festivals, and can include solos and ensembles. Most of these performances are mandatory. Some activities may take place on Saturday. Students will provide some items of clothing for performances and will be provided some items at some cost to the student. (This course may be repeated for credit.) Two semesters. One credit.

This class counts towards 1.0 Fine Arts Credit required for graduation.

BAND 3**8506-8507**

Grade Level: 10, 11, 12

8506 is a prerequisite for 8507 annually. This course is for experienced instrumentalists. Placement is at the discretion of the director. Criteria for entrance will include prior instrumental experience, ability, aptitude, interest, and desire. Students will study band literature, individual and ensemble skills, music fundamentals, history and theory. A standard instrumental text will be utilized as well as listening assignments and readings. Performing experiences will include concerts, marching, festivals, and can include solos, and ensembles. Most of these performances are mandatory. Some activities may take place on Saturday. Students will provide some items of clothing for performances and will be provided some items at some cost to the student. (This course may be repeated for credit.) Two semesters. One credit.

This class counts towards 1.0 Fine Arts Credit required for graduation.

CONCERT CHOIR**8549-8550**

Grade Level: 10, 11, 12

This course is for experienced vocalists. Placement is by audition or at the discretion of the director. Criteria for entrance will include prior vocal experience, ability and/or interest, and vocal quality. Students will study the broad range of choral repertoire, vocal performance skills, music history. Performing experiences will include concerts, assemblies, festivals, musicals and solos/ensembles, some of which are mandatory. A special outfit is required at the discretion of the director. (This course may be repeated for credit.) Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

MADRIGAL SINGERS**8594-8595**

Grade Level: 10, 11, 12

Placement is by audition only. Enrollment is limited to 24 or fewer students at the discretion of the director. Students must possess exceptional vocal qualifications, including superior vocal quality, musicianship, balance and blend. Students will study a wide range of musical literature and types. Some choreography is included. A demanding performance schedule is maintained and student participation in performances is mandatory. Concurrent enrollment in Concert Choir is a prerequisite. A special outfit is required at the discretion of the director. (This course may be repeated for credit.) Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

MEN'S CHORUS**8556-8557**

Grade Level: 9, 10, 11, 12

Placement in this chorus is at the discretion of the director. Criteria for entrance will include student ability, interest and enthusiasm. Prior vocal experience is not required. Students will study vocal techniques, a wide range of repertoire, and improvement of individual vocal skills. A special outfit is required at the discretion of the director. (This course may be repeated for credit.) Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

ORCHESTRA 2**8731-8732**

Grade Level: 9, 10, 11, 12

8731 is a prerequisite for 8732 annually. This course is designed for students who are continuing to develop instrumental skills. Placement is at the discretion of the director. Criteria for entrance will include prior instrumental experience, ability, aptitude, interest and desire. Student will study the development of tone and technique in order to enhance their personal performance skills and the performance of the ensemble. Understanding the basic elements of music will be stressed in this class. A standard instrumental text will be required. Performing experiences will include concerts, festivals, solos and ensembles. Most of these performances are mandatory. Some items of clothing for performances will be provided by the student. (This course may be repeated for credit.) Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

ORCHESTRA 3**8721-8722**

Grade Level: 10, 11, 12

8271 is a prerequisite for 8272 annually. This course is for more experienced instrumentalists. Placement is by audition only. Students will study string literature, individual and ensemble skills, historical and compositional information and theory. Performing experiences will include concerts, festivals, solos and ensembles. Most of these performances are mandatory. Some items of clothing for performances will be provided by the student. Some Monday evening rehearsals are required. (This course may be repeated for credit.) Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

STAGE BAND (JAZZ)**8606-8607**

Grade Level: 9, 10, 11, 12

Enrollment in Band 2 or 3 is a prerequisite for wind players. Placement is by audition and at the discretion of the director. Students must have director's approval to enroll in this class. Students will study a wide range of jazz styles through performing, improvising, listening and reading. Theory is also emphasized in this class. Students may be

required to purchase a text for this class. Mandatory performances such as concerts and festivals are a part of this class. Some may be on a Saturday. Some items of clothing for performances may be required at some cost from students. (This course may be repeated for credit.) You need teacher approval to take this class. Two semesters. One credit.

WOMEN'S CHORUS**8561-8562**

Grade Level: 9, 10, 11, 12

Placement in this chorus is at the discretion of the director. Criteria for entrance will include student ability, interest and enthusiasm. Prior vocal experience is not required. Students will study vocal techniques, a wide range of repertoire, and improvement of individual vocal skills. (This course may be repeated for credit.) Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

WOMEN'S ENSEMBLE/LADY ACES**8584-8585**

Grade Level: 10, 11, 12

Placement in this chorus is by audition or at the discretion of the director. Repertoire for this ensemble is primarily written for the female voice, although students may be added to other ensembles where needed. Criteria for entrance will include student ability, interest and enthusiasm. Prior vocal experience is required. Students will study vocal techniques, a wide range of repertoire, and the improvement of individual vocal skills. Performance experiences will include concerts, musicals, solos and ensembles, some of which are mandatory. A special outfit is required at the discretion of the director. (This course may be repeated for credit.) Two semesters. One credit. *This class counts towards 1.0 Fine Arts Credit required for graduation.*

MUSIC APPRECIATION**8640**

Grade Level: 10, 11, 12

This course will explore various facets of music. Students will be exposed to various types of music and listen to and watch numerous audio and video examples. Students may be required to complete a short research paper on some component of music or a musician. Short papers, exams and note taking will be required of this class. One semester. ½ credit.

PHYSICAL EDUCATION**PHYSICAL EDUCATION FOUNDATIONS****9211-9212**

Grade Level: 9

This course provides opportunities for students to acquire the knowledge and skills to engage in a physically active, healthy lifestyle throughout life. Three areas of focus in the course are: 1) health-related fitness, 2) lifetime physical activity, and 3) health/wellness concepts and skills. The intended outcomes of the course are that students will be able to: a) assess and interpret personal health/fitness status, b) design, implement, and evaluate a personal health/fitness plan for developing and maintaining a physically active, healthy lifestyle, c) analyze current health/fitness issues impacting youth and adults, d) demonstrate effective use of personal and social skills to enhance health/fitness behavior, and e) utilize a variety of physical activities to engage in a healthy lifestyle. Two semesters. One credit.

AEROBICS

9204-9205

An elective activity class in which the emphasis is on physical conditioning. The exercises may include upper and lower body circuit training, step aerobics, Zumba, yoga/pilates, abdominal workouts, jog/walking, weight training, and fitness measurements. (This course may be repeated for credit.) Two semesters. One credit. Students must have passed at least one semester of PE before taking an aerobics class.

LIFETIME SPORTS

9207-9208

In this course, students will actively participate in, skill development, lead-up games and lifetime sports with an emphasis on individual and dual activities. May include any of the following activities as per class decision: Aerial Tennis, Aerobics, Archery, Badminton, Bowling, Fencing, Frisbee, Golf, Handball, Jogging, Racquetball, Shuffleboard, Softball, Swimming, Table Tennis, Tennis, Volleyball, Weight Training. (This course may be repeated for credit.) Two semesters. One credit. Students must have passed at least one semester of PE before taking a Lifetime Sports class.

WEIGHT TRAINING AND CONDITIONING

9213-9214

Grade Level: 10, 11, 12

This course will include basic training techniques and identification of apparatus and major and secondary muscle groups. Students will obtain an understanding of different training strategies/techniques and be able to set up an individual program. Students will study, learn, and use spotting techniques and other safety procedures used in the weight room and/or in any other physical activities. (This course may be repeated for credit.) Two semesters. One credit. Students must have passed at least one semester of PE before taking weight training and conditioning class.

AQUATICS FITNESS AND CONDITIONING

9205

The course will increase the students swimming abilities and awareness of water safety. It will provide explanations, demonstrations, practice, and review of the 6 swimming strokes.

INTRODUCTION TO LIFEGUARDING

9206

The course will increase students awareness of the training requirements for lifeguard certification. The participants will develop speed, endurance, and technique in swimming. The course will provide explanations, demonstrations, and practice of the rescue skills essential for lifeguards. The participants will finish prepared to be successful in a Red Cross certification course. Students in this course must already have basic swimming skills such as the breaststroke and freestyle, treading water, and be comfortable in deep water. This is NOT a certification course.

SCIENCE

Life Sciences

BIOLOGY 1

4251-4252

Grade Level: 9

Students in this traditional course will study plant life, animal life, and human anatomy through the topics of characteristics of life, cell biology, heredity, natural selection, populations and habitats, classification, and human biology. Students will learn to use microscopes. An emphasis upon the appreciation of interdependence between all life forms within an environment will be a unifying theme through the year. Two Semesters. One Credit.

BIOLOGY 1 HONORS

4253-4254

Prerequisite: Previous science grade, standardized test scores, 8th grade teacher recommendation

Grade Level: 9

This course is designed for students who will thrive in a more rigorous presentation of Biology I. Students who enroll should be self-motivated, task-oriented, and persistent. Students will be expected to perform in the laboratory with a high level of accuracy and should be able to assist in the design of experiments. Characteristics of life, cell biology, heredity, natural selection, ecology, classification and human biology will be studied with an emphasis upon appreciation of the interdependence between all life forms within an environment. Two semesters. One Credit.

ADVANCED PLACEMENT BIOLOGY

4248-4249

Prerequisite: Honors Biology with A or B or Biology 1 with A and Chemistry 1 and/or Physics with C or better; teacher recommendation

Grade Level: 11, 12

This course is equivalent to the first-year college biology course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Biology Program. Students in this course can expect a heavy homework load. Two semesters. One Credit. Students who enroll in this course are required to take the AP exam in the spring. Advanced placement test fee may be required.

ANATOMY AND PHYSIOLOGY

4821-4822

Prerequisite: Biology 1 with C or better, and C or better in last science class; teacher approval

Grade Level: 11, 12

In this course, students will study the structure and functions of human body systems. Students will study body structure through dissection and with microscopes. Also contained in the course will be such related topics as health, disease and disease prevention. Two semesters. One credit.

ZOOLOGY

4951-4952

Prerequisite: Biology 1 with C or better, and C or better in last science class AND teacher approval}

Grade Level 11, 12

In this course, students make comparative studies of animals. Interrelationships between animals, and between animals and humans, will receive emphasis. Examples of animal history and distribution will be reviewed; the economic impact of specific animals will be investigated. Lab work will include a number of dissections. Two semesters. One credit.

Physical Sciences

EARTH SCIENCE

4351-4352

Grade Level: 10, 11, 12

Students in this laboratory-oriented survey course study selected topics from the sciences of astronomy, geology, meteorology, and oceanography. Students will work with materials gained through recent exploration, discovery, and theory. Two semesters. One credit.

Physical Science **4811-4812**
Grade Level: 10, 11, 12
This course is designed to meet the physical science standards found in the KCCRS for Science (NGSS). It is recommended for students whose math readiness falls below grade level. Students will study topics in both physics and chemistry including structures and states of matter, energy, waves, electromagnetism, and physical/chemical interactions. The course provides a foundation for further study in physics and chemistry. Two Semesters - 1.0 credit

GLOBAL/ENVIRONMENTAL SCIENCE **4827-4828**
Grade level: 11, 12
This course combines basic biological, geological, physical and chemical principles in a study of how individuals and societies explore, extract, and utilize resources. The influence of humans and their activities on the environment as they attempt to satisfy needs and wants will be examined. Emphasis is placed upon laboratory activities and direct student involvement in identifying, studying, and evaluating solutions to current issues and global concerns. Two semesters. One credit.

HONORS GLOBAL
Prerequisite: Biology 1
Grade level: 10, 11, 12
This course is designed for students who will thrive in a more rigorous presentation of Biology I. Students who enroll should be self-motivated, task-oriented, and persistent. Students will be expected to perform in the laboratory with a high level of accuracy and should be able to assist in the design of experiments.
Global Science combines basic biological, geological, physical and chemical principles in a study of how individuals and societies explore, extract, and utilize resources. The influence of humans and their activities on the environment as they attempt to satisfy needs and wants will be examined. Emphasis is placed upon laboratory activities and direct student involvement in identifying, studying, and evaluating solutions to current issues and global concerns. Two semesters. One credit.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE **4847-4848**
Prerequisite: Algebra 1, Biology 1; teacher recommendation
Grades 11, 12
Offering AP- B-1 which is algebra-based mechanics. This course is designed to be the equivalent of one semester, introductory college course in environmental science. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Environmental Science Program. Students in this course can expect a significant homework load. Two semesters. One Credit. Students who enroll in this course are required to take the AP exam in the Spring. Advanced placement test fee may be required.

CHEMISTRY 1 **4321-4322**
Prerequisite: Physics with B or C **and** concurrent Algebra 2
Grade Level: 11, 12
Students in this course study about the periodic table, problem solving, atomic structure, nomenclature, chemical reactions, chemical calculations, phase changes, behavior of gases, and bonding. Recommended for college-bound students. Two semesters. One credit.

CHEMISTRY 1 HONORS **4323-4324**
Prerequisite: Physics with an A **and** concurrent Algebra 2₇ or Honors Global Science with an A **and** an A in Algebra 2
Grade Level 11, 12
This course is designed for students who will thrive in a more rigorous presentation of Chemistry I. Students who enroll should be self-motivated, task-oriented, and persistent. Students will be expected to perform in the laboratory with a high level of accuracy. Topics include the periodic table, problem solving, atomic structure, nomenclature, chemical reactions, chemical calculations, phase changes, behavior of gases, acids and bases, atomic molecular theory, and bonding.

ADVANCED PLACEMENT CHEMISTRY **4331-4332**
Prerequisite: Honors Chemistry 1 and Honors Algebra 2 with C or better **and** Chemistry 1 with C or better or Chemistry 1 with A or B and concurrent enrollment in Algebra 3; teacher approval
Grade level: 11, 12
This course is equivalent to the first-year college chemistry course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Chemistry Program. Students in this course can expect a heavy homework load. Two semesters. One Credit. Students who enroll in this course are required to take the AP exam in the spring. Advanced placement test fee may be required.

PHYSICS **4801-4802**
Prerequisite: Biology 1 with C or better **and** Algebra 1 with B or better or C or better in last science class **AND** concurrent Algebra 2
Grade Level: 10, 11, 12
In this course, students learn to identify physical laws and their actions. Included will be studies of motion, forces, and energy. Topics including heat, light, sound, electricity and nuclear physics will also be examined. Recommended for college-bound students. Two semesters. One credit.

HONORS PHYSICS **4783-4784**
Prerequisite: Biology 1 or Honors Biology with A or B **and** Algebra 1 with A or B or Geometry with A or B or Algebra # 2 with A or B
Grade Level: 10, 11, 12
This course is designed for students who will thrive in a more rigorous presentation of Physics. Students who enroll should be self-motivated, task-oriented, and persistent. Students will be expected to perform in the laboratory with a high level of accuracy. Students learn to identify physical laws and their actions. Included will be studies of motion, forces, and energy. Topics including heat, light, sound, electricity and nuclear physics will also be examined. Recommended for college-bound students. Two semesters. One credit.

ADVANCED PLACEMENT PHYSICS **4803-4804**
Prerequisite: Physics with A or B **and** A or B in Honors Algebra 2 **and** teacher recommendation
Grade Level: 11, 12
This course is equivalent to the first-year college physics course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Physics Program. Students in this course can expect a heavy homework load. Two semesters. One Credit. Students who enroll in this course are required to take the AP exam in the spring. Advanced placement test fee may be required.

SOCIAL STUDIES

INTERNATIONAL RELATIONS

3600

Grade Level: 11, 12

Students in this course will study issues of international concern with an emphasis on the posture of the United States in the world community. Students will analyze current forces and trends which contribute to the climate of international politics. This course will satisfy the World Studies requirement. One semester. One-half credit.

PSYCHOLOGY

3700

Grade Level: 11, 12

In this course, students will study human behavior and the cognitive processes. Students will learn and apply the social cultural, biological, and cognitive levels of analysis within the discipline and apply them to abnormal psychology. Emphasis will be placed on the importance of the scientific method in relation to modern career fields. One semester. One-half credit.

HONORS PSYCHOLOGY

3712

Grade Level: 11, 12

Prerequisite: 3.0 GPA or higher

This is a dual credit course. Students enrolled will also be enrolled in a 3 hour college credit course. Students must be able to cover the cost of that dual enrollment, estimated at this time to be \$200.

The primary vision of this course is for students to understand the discipline and profession of psychology, to responsibly utilize scientific research in the field, and to investigate the social psychology majors will be prepared for further study in the discipline, while non-majors will gain an understanding applicable to their futures. As a result, students will be able to analyze the complexities of human behavior to in turn enhance their own self-awareness and appreciation.

SOCIOLOGY

3800

Grade Level: 11, 12

In this course, students will study the forms, functions and institutions of human groups. Special emphasis will be placed on the studies of family relationships, and of contributory factors of improving relationships between individuals and groups. One semester. One-half credit.

UNITED STATES GOVERNMENT

3350

Grade Level: 12

Students in this required course will study local, state, and federal levels of the American political system. One semester. One-half credit.

HONORS UNITED STATES GOVERNMENT

3359

Grade Level: 12

One Semester

This is a dual credit course. Students enrolled will also be enrolled in a 3 hour college credit course. Students must be able to cover the cost of that dual enrollment, estimated at this time to be \$200.

The primary goal of this course is to lead students through a comprehensive study of government in the United States, including the basic principles of our American government at local, state, and federal levels. They will be introduced to our political culture through an examination of our institutions, processes, and public places.

US HISTORY 1

3361-3362

Grade Level: 10

This required course covers American history from 1900 to 1945. Emphasis is placed upon the Progressive Era, WWI, the Roaring Twenties, the Great Depression, the New Deal, and WWII. First semester will contain a U.S. Government unit. Two semesters. One credit

US HISTORY 1 HONORS

3363-3364

Grade Level: 10

This course is designed to move faster and in more depth than the regular United States History 1 class. The course will include a major writing assignment, additional readings on special topics, and assessments of various historical interpretations. The course goes beyond the scope of the objectives of the regular United States history course to include in-depth study of selected American issues. Two semesters. One credit.

UNITED STATES HISTORY 2

3641-3642

Grade Level: 11, 12

This required course is a continuation of United States History 1. The scope of study in this course begins with events after 1945 and ends with the present. Major areas of study include the Cold War, Civil Rights, the Vietnam War, the return to Conservatism, modern Foreign Policy and Terrorism, to the present. The first Nine Week period will include an Economics unit. Two semesters. One credit.

AP US HISTORY 2

3647-3648

Grade Level: 11, 12

The content of this course covers all of U.S history to prepare for the A.P. Exam. Requirements and assignments will be expanded beyond the Honors United States History course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement United States History program. Two semesters. One credit. Students who enroll in this course are required to take the AP exam in the Spring. Advanced placement test fee may be required.

WORLD HISTORY

3451-3452

Grade Level: 9, 10, 11, 12

In this course, students will study human history from The Renaissance to the present with emphasis placed upon learning to interpret current global situations in the context of historical patterns. Students will compare and contrast cultures and religions by learning and applying the social, political, geographic, and economic tools of the historian. This course will satisfy the World Studies requirement. Two semesters. One credit.

WORLD HISTORY HONORS

3453-3454

Grade Level: 9, 10, 11, 12

This course will concentrate on the major civilizations of the world and the contributions each has made to the human condition. Students will be required to read in-depth in the subject areas and conduct inquiry investigations. Human history will be explored from the Renaissance to the present in all parts of the world. Considerable reading is required. This course will satisfy the World Studies requirement. Two semesters. One credit.

AFRICAN AMERICAN HISTORY 3621
Grade Level: 9, 10, 11, 12
This course uses the historical method to highlight the important achievements of African Americans throughout US history. The course begins with the study of early African civilizations and then the role of African American's as they contribute to American society, past and present. African American History also allows students time to do research and projects that will lead them to examine the current situation of African Americans. One semester. One-half credit.

ANTHROPOLOGY 3050
Grade Level: 11, 12
In this course, students will study the areas of human origin: Physical character; distribution, classification, and relationships of races; social and environmental elements; and culture. Students will learn to use and established method as it is used in the fields of cultural and physical anthropology. One semester. One-half credit.

AMERICAN WOMEN IN HISTORY 3903
Grade Level: 10, 11, 12
American Women in History is a semester long course that will examine the role of the American woman within the context of our country's past. An emphasis will be placed on the study of private life in the US as opposed to public life. Specific issues such as health, education, religion, poverty and family life will focus our study. Additionally, "gender specific" experiences such as, women's work, the fight for suffrage, the Age of Association and the feminist movement will be of primary concern. One semester. One-half credit.

TECHNOLOGY EDUCATION

INTRODUCTION TO INDUSTRIAL TECHNOLOGY 7470
Prerequisite: None.
Grade Level: 9,10
The Introduction to Industrial Technology is an introductory level course designed to instruct students in the basic skills necessary to all occupations in the areas of Construction, Manufacturing & Transportation. In this course the students will be applying these basic skills. This is a good introductory course for students wanting to learn an employable craft or attend college majoring in architecture, architectural engineering, other engineering fields, and construction science. Also the student will have the opportunity to earn a certificate that is recognized nationally.
Lab fee required. One semester. One-half credit.

RESIDENTIAL CARPENTRY 1 7033-7034
Prerequisite: None
Grade Level: 10,11,12
This course offers students the opportunity to receive school-based and community based career exploration opportunities with a hands-on approach. Students will spend approximately 2 –3 weeks learning about 13 crafts including carpentry, cement masonry, electricity, steel erection, metal building, glazing, roofing, heavy equipment, concrete finishing, form carpentry, HVAC, plumbing, and painting. This is a good introductory course for students wanting to learn an employable craft or attend college majoring in architecture, architectural engineering, other engineering fields, and construction science.
Lab fee required Two semesters. One credit.

RESIDENTIAL CARPENTRY 2 7035-7036
Prerequisite: Residential Carpentry 1(a&b) or Instructor Approval
Grade Level: 11,12
This class meets one class period per day and is designed to connect the school experience with a real work experience. Students will use the skills learned in their prerequisite classes and also use computer technology to design a building and construct a model. Classroom instruction will include OSHA certification and employment skills. **Lab Fee Required**
Two semesters. One credit.

REMODELING & BUILDING MAINTENANCE 7546
Grade Level: 11, 12
Remodeling and Building Maintenance is an application level course in the Construction pathway. It is designed to instruct students in the skills required for residential remodeling and maintenance.

INTRODUCTION TO ENGINEERING DESIGN (IED) (Project Lead The Way—PLTW) 7041-7042
Grades: 9,10,11,12
The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

PRINCIPLES OF ENGINEERING (POE) 7481-7482
Grades: 10,11,12
This survey course exposes students to major concepts students will encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.

Computer Integrated Manufacturing (CIM) 7556-7557
Prerequisite: POE
Grade Levels: 11,12
Manufactured items are part of everyday life, yet most students have not been introduced to the high-tech, innovative nature of modern manufacturing. This course illuminates the opportunities related to understanding manufacturing. At the same time, it teaches students about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

Engineering Design and Development (EDD) 7043-7044
Prerequisite: One course in the PLTW pathway
Grade Levels: 12
In this capstone course, students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. Students perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams design, build, and test their solutions while working closely with industry professionals who provide mentoring opportunities. Finally, student teams present and defend their original solution to an outside panel. This course is appropriate for 12th grade students.

Robotics

7069-7070

Prerequisite: IED

Grade Level: 10, 11, 12

This course will give the students hands on introduction to building their very first competition robot. The students will have the opportunity to compete in competitions of BEST Robotics, Science Olympiad, SkillsUSA, and VEX Robotics. Students will perform the design process in problem solving, proper documentation, measurements, programming, and applied mathematics principles throughout the course to create a working and competitive robot.

CONSORTIUM AND OTHER COURSES

TEACHER ASSISTANT

9181-9182

Prerequisite: Application and Approval.

Grade Level: 9, 10, 11, 12

Students enrolled as teacher assistants should perform work as described in a job description filed by the supervising teacher and approved by the building principal. The duties, of an educational nature, should justify the work for one period per day. (This course may be repeated for credit.) **Please note:** Only 1.0 credits of Teacher Assistant and/or Office Assistant may count toward the 22 credits required for graduation. Two semesters. One Credit

OFFICE ASSISTANT

9183-9184

Prerequisite: Application and Approval.

Grade Level 9, 10, 11, 12.

(See the description of Teacher Assistant)

STUDENT COACHING

9190-9191

Prerequisite: Application and Approval.

Grade Level 10, 11, 12

Student Coaches serve as a resource in the classroom to help students understand concepts, complete assignments, and improve learning. Some of the goals of the program include:

* Grow self-directed, self-managing, self-monitoring, and self-modifying learners.

* Increase the number of students who are learning and successful in school

* Build connections for students with other students and to school

Student coaches are selected based on completing an application with teacher references and an interview. Deadline for application is April 1st. Students selected as a student coach will be required to attend training during the summer. Two Semesters. One Credit

JAG-K

9075-9076

Grade Level: 11-12

JAG-K (Jobs for America's Graduates- Kansas) is a career and life skills training program that provides a hands on approach in exploring the personal and professional skills necessary to job attainment including writing cover letters, building resumes, submitting job applications and interviewing. Students also develop workplace "survival" skills including customer service, communication, work groups and professionalism. Through individual and team projects and leadership opportunities, students will develop an understanding of personality and temperament as well as the relationship between personal actions and consequences that follow. Students will make connections to their interests, abilities and aptitudes by determining

their education and career goals through development of an Individual Career Development Plan. This full-year, credited course involves individual assignments, team activities/projects, academic remediation support, service learning opportunities, guest speakers, field trips, and career exploration through job shadowing and or internship. Students will also participate in the JAG-K Career Association through activities focused on Career and Leadership Development, Service Learning and Civic/Social Awareness.

College and Career Readiness

Grade Level: 11-12

This course is intended to assist students in the process of applying and being admitted to post-high school educational opportunities. Students are assisted in the college exploration process and guided through the application process. Major emphasis is placed on applying for admission to college, community college or technical college and scholarship exploration/application. In addition to these components, students will also participate in career exploration, develop a resume, personal presentation skills and explore life in college from study skills to budgets. Students will also be exposed to leadership skills and be asked to put these skills into practice throughout the semester. The course can be taken for credit in both the Junior and Senior year. The senior year is more individualized as needed to meet the specific needs of each student. Prerequisite: 2.0 GPA and/or instructor approval.

JROTC CREDIT

JROTC TRAINING 1-AEROSPACE SCIENCE 1 9241-9242

Grade Level: 9, 10, 11, 12

JROTC Training 1 - Citizenship, Character, & Air Force Tradition, is an introductory class that encourages initiative and self-confidence. It introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program and provides a basis for progression through the rest of AFJROTC. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. This course develops attitudes of understanding and tolerance with a strong emphasis on developing personal responsibility and a strong sense of teamwork. Cadets participate in precision marching drill and may participate on drill teams, color guards and other co-curricular activities. **Cadets will be issued Air Force uniforms and have a requirement to wear the uniform once a week. Cadets must comply with the dress and appearance requirements listed in the Cadet Guidebook.** Aerospace Science 1 - A Journey Into Aviation History, is designed to give cadets an overview of the history of flight, the fundamentals of flight and an exposure to space exploration. Cadets who successfully complete this course may be eligible to participate in a summer leadership camp, JROTC 5. Wellness/physical fitness is an official part of the Air Force Junior ROTC program. It is an exercise program focused on establishing individual base lines of fitness and achieving improvements with the goal of reaching a national standard as calculated by age and gender. This class will include exercises and requires a parental release form. Two semesters. One credit.

For SY 2015 – 2016 JROTC Training 3-Aerospace Science 3 is offered for Grade Level: 10, 11, 12.

JROTC TRAINING 2-AEROSPACE SCIENCE 2 9243-9244

Prerequisite: JROTC 1, JROTC 3 or JROTC 4 (May be waived)

Grade Level: 10, 11, 12

JROTC Training 2 - Communication, Awareness, and Leadership, stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning and execution of corps projects. All cadets in this course will be issued the standard Air Force blue uniform at the beginning of the school year and must comply with the dress and appearance requirements in the Cadet Guidebook. **There is a requirement for cadets to wear the uniform once a week.** In addition, cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies and may participate on drill teams, color guards and other co-curricular activities.

Aerospace Science 2 - Cultural Studies, An Introduction to Global Awareness, introduces cadets to various regions of the world from a geographic, historical and cultural perspective. The class provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. Geopolitical issues such as terrorism, economics, politics, military issues, religion, environmental concerns, human rights, disease, over population, literacy, the migration of peoples and other cultural issues will be examined. Wellness/physical fitness is an official part of the Air Force Junior ROTC program. It is an exercise program focused on improving individual fitness base lines with the goal of achieving a national standard as calculated by age and gender. This class will include exercises and requires a parental release form. 2 Semesters. One credit

JROTC TRAINING 3 - AEROSPACE SCIENCE 3 9245-9246

Prerequisite: JROTC 1, JROTC 2 or JROTC 3 (May be waived)

Grade Level: 10, 11, 12

JROTC Training 3 - Life Skills & Career Opportunities, prepares cadets for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Cadets learn how to become a more confident financial planner and to save, invest, and spend money wisely, as well as how to avoid the credit trap. They will learn about real-life issues such as understanding contracts, leases, warranties, legal notices, personal bills, practical and money-saving strategies for grocery shopping, apartment selection, and life with roommates. The Holland Interest Inventory and other self-assessments will help them to reveal their attitudes, aptitudes, and personal skills. This self-understanding allows them to explore career paths and understand requirements that they will need to be successful at work and in life. All cadets in this course will be issued the standard Air Force blue uniform at the beginning of the school year and must comply with the dress and appearance requirements in the Cadet Guidebook. There is a requirement for cadets to wear the uniform once a week. In addition, cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies and may participate on drill teams, color guards and other co-curricular activities. Aerospace Science 3 - A Gateway to New Horizons, is a class on the science of flight. This class acquaints the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. The course includes a discussion of the atmosphere and weather and how that environment affects flight. The discussion of flight includes the

forces of lift, drag, thrust, and weight. Cadets also learn basic navigation including map reading, course plotting, and the effects of wind. Also included is a description of the human requirements of flight, a survey course on human physiology: the human circulatory system, the effects of acceleration and deceleration, and protective equipment.

Wellness/physical fitness is an official part of the Air Force Junior ROTC program. It is an exercise program focused on improving individual fitness base lines with the goal of achieving a national standard as calculated by age and gender. This class includes exercises and requires a parental release form. Two Semesters. One credit.

JROTC TRAINING 4 - AEROSPACE SCIENCE 4 9247-9248

Prerequisite: JROTC 1, JROTC 2 or JROTC 4 (May be waived)

Grade Level 10, 11, 12

JROTC Training 4 - Principles of Management, teaches cadets about the theories and principles of management in the work force. The cadets will practice the principles, objectives, and techniques of leadership/management. Emphasis is on problem analysis and decision-making, delegation and control, planning and organizing, and interpersonal skills required for effective management. Cadets will experience the functions of leadership and the special problems of leadership. The course prepares cadets for responsible leadership roles while making them aware of their rights, responsibilities and privileges as American citizens. All cadets in this course will be issued the standard Air Force blue uniform at the beginning of the school year and must comply with the dress and appearance requirements in the Cadet Guidebook. **There is a requirement for cadets to wear the uniform once a week.** In addition, cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies and may participate on drill teams, color guards and other co-curricular activities. Aerospace Science 4 - Exploring Space: The High Frontier, begins with the study of the solar system and progresses through the international space exploration efforts, space technology, and manned space flight. Wellness/physical fitness is an official part of the Air Force Junior ROTC program. It is an exercise program focused on improving individual fitness base lines with the goal of achieving a national standard as calculated by age and gender. This class includes exercises and requires a parental release form. Two Semesters. One credit.

JROTC TRAINING 5-LEADERSHIP CAMP (SUMMER) 9249

Prerequisite: JROTC 1, JROTC 2, JROTC 3 or JROTC 4

Grade Level: 9, 10, 11

A minimum 80 hour course with emphasis on teamwork and leadership techniques and application, conducted at various military installations. JROTC cadets will practice leadership in an unfamiliar environment, participate in team building exercises, experience living and interacting with their peers in a military setting, and participate in various confidence building exercises. Summer. One-half credit.