

# **Labette County High School**

## **Course Catalog**

**2026-2027**



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**School Counselors: Nikkii Rosenstiel, Matt Shields**

## **Labette County High School**

### **2026-2027 Course Catalog**

Labette County High School has a rich tradition of excellence in academic, athletic and vocational (career & technical) education. This course catalog will give a list of the courses, a description of each course, and the course prerequisites. Please pay careful attention to the prerequisites (in the course description in bold), as this statement will tell you what you must do in order to take the class.

#### **Career & Technical Education**

Labette County High School offers a variety of Career & Technical Education programs to students: Agriculture, Business Management, Graphic Design, Construction Trades, Health Careers, Family Consumer Science, Manufacturing (Machine Tool, Drafting, and Welding), Automotive Service, Teaching, and Electronics.

#### **Special Services & Credit Completion**

Labette County High School offers a variety of programs for students who are experiencing difficulty or who are struggling with traditional courses. We have a multi-tiered approach to assist students in achieving success, no matter what struggles or difficulties they are experiencing. To gain further information about courses and assistance available contact- Nikkii Rosenstiel or Matt Shields, School Counselors.

#### **PowerSchool**

Labette County High School uses a program called Power School that allows you to see your grades, attendance, lunch balance, and other information online. You will be able to access this information from any computer that can access the Internet. You will receive a user id and password at final enrollment.

#### **Enrollment Information & Instructions**

Each grade level will have one week to go through the enrollment process. Students will work with their advisors to identify potential classes for each student to take the following school year. Then students will meet with parents and teachers to get signatures on enrollment forms indicating permission to enroll. Teachers will provide direction on the appropriate level of classes and pathways available. Final enrollment sheets will be due to advisors by a specified date. The advisors will then turn the enrollment sheets into the counseling office.

#### **Concurrent enrollment**

Through the Jumpstart program at Labette Community College and Coffeyville Community College, high school students are offered some concurrent enrollment courses. Trade courses are part of an agreement through Senate Bill 155 and are at no cost to the student. Academic concurrent courses will be limited to juniors and seniors unless directed by Individual Education Plans. Academic courses are at a cost to the student if taken for college credit.

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## Graduation Requirements

| Subject                                  | Required Courses                                                                                 | Class of 2027                 | Class of 2028                                    | Class of 2029                                    | Class of 2030                                    |
|------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|
| English Language Arts/<br>Communications |                                                                                                  | 4 credits                     | 3.5 credits English<br>.5 credits Speech         | 3.5 credits English<br>.5 credits Speech         | 3.5 credits English<br>.5 credits Speech         |
| Mathematics                              | Intro to Algebra or Algebra I                                                                    | 3 credits                     | 3 credits                                        | 3 credits                                        | 3 credits                                        |
| Science                                  | Physical Science (Freshman) or Biology (Sophomore)                                               | 3 credits                     | 3 credits                                        | 3 credits                                        | 3 credits                                        |
| Social Studies                           | U.S. History (Junior), Constitution (Senior), World History (Senior), U.S. Geography (Sophomore) | 3 credits Including Economics | 3 credits                                        | 3 credits                                        | 3 credits                                        |
| Physical Education & Health (Freshman)   |                                                                                                  | 1 credit                      | .5 credit Physical Education<br>.5 credit Health | .5 credit Physical Education<br>.5 credit Health | .5 credit Physical Education<br>.5 credit Health |
| Fine Art                                 |                                                                                                  | 1 credit                      | 1 credit                                         | 1 credit                                         | 1 credit                                         |
| Career and Technical Education           |                                                                                                  | 1 credit                      | 1 credit                                         | 1 credit                                         | 1 credit                                         |
| Electives                                |                                                                                                  | 8.5 credits                   | 8 credits                                        | 8 credits                                        | 8 credits                                        |
| College or Career Orientation (Senior)   |                                                                                                  | .5 credit                     | .5 credit                                        | .5 credit                                        | .5 credit                                        |
| Personal Finance (Senior)                |                                                                                                  |                               | .5 credit                                        | .5 credit                                        | .5 credit                                        |
| Total Credits                            |                                                                                                  | 25 credits                    | 25 credits                                       | 25 credits                                       | 25 credits                                       |

## Kansas Scholars Curriculum

| Subject                                  | Requirements                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| English Language Arts/<br>Communications | <p>4 Units</p> <p>One unit to be taken each year. Must include substantial recurrent practice in writing extensive and structured papers, extensive reading of significant literature, and significant experience in speaking and literature.</p>                                                                                                                                                                                |
| Mathematics                              | <p>4 Units</p> <p>Algebra I, Algebra II, Geometry, and one unit of advanced mathematics. Suggested courses include Analytic Geometry, Trigonometry, Advanced Algebra, Probability and Statistics, Functions or Calculus.</p>                                                                                                                                                                                                     |
| Science                                  | <p>3 Units</p> <p>One year each in Biology, Chemistry, and Physics each of which include an average of one laboratory period a week.</p>                                                                                                                                                                                                                                                                                         |
| Social Studies                           | <p>3 Units</p> <p>One unit of U.S. History; minimum of one-half of U.S. Government and minimum of one-half unit selected from: World History, World Geography or International Relations; and one unit selected from Psychology, Economics, U.S. Government, U.S. History, Current Social Issues, Sociology, Anthropology, and Race and Ethnic Group Relations. Half unit courses may be combined to make this a whole unit.</p> |
| World Language                           | <p>Two years of one language. Latin and Sign Language are accepted.</p>                                                                                                                                                                                                                                                                                                                                                          |

## STEM Course Classification: Math and Science

| Mathematics             |    |        |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|----|--------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Title            | Cr | Code # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Introduction to Algebra | 1  | 6103   | 9           | <p>Intro to Algebra I is designed to resurface the fundamental skills and concepts of the mathematics that students learned in the middle grades and further builds a foundation for the transition into Algebras I and II. Throughout the year, students will experience mathematics as a coherent, useful and logical subject that makes use of their ability to make sense of problem situations. This course serves as a developmental piece for further study in higher mathematics and/or science.</p> <p><b>Notation: Intro to Algebra or Algebra I are required for graduation.</b></p> |
| Algebra I               | 1  | 6102   | 9-12        | <p>Algebra I is designed to deepen and extend understanding of linear and quadratic relationships. Students will engage in methods for analyzing, solving and using linear functions. Students will complete Algebra 1 before pursuing different pathways in the subject.</p> <p><b>Notation: Intro to Algebra or Algebra I are required for graduation.</b></p>                                                                                                                                                                                                                                |
| Algebra II              | 1  | 6202   | 10-12       | <p>Algebra II is an extension of Algebra I. Basic fundamentals used in Algebra I are applied in a higher degree of difficulty. Thinking and problem solving techniques are stressed throughout the course. A good use of class time and study skills are needed to be successful in this course.</p> <p><b>Prerequisite: Algebra I</b></p>                                                                                                                                                                                                                                                      |
| Geometry                | 1  | 6203   | 10-12       | <p>Geometry deals with the study of points, lines, planes, and properties relating to them. Some of the specific goals of this course are to help the student achieve the technique of logical thinking, to be able to solve simple proofs, to gain appreciation for precision of language in mathematics and to encourage independent thinking.</p> <p><b>Prerequisite: Algebra I</b></p>                                                                                                                                                                                                      |

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| Consumer Math           | 1         | 6105 | 11-12 | <p>Here, students are introduced to everyday life skills such as balancing a checkbook, calculating net pay, expenses, buying and renting a home, finding the cost to operate a motor vehicle. Basic business matters, including borrowing money, investing and calculating business profits and losses are also included. The goal of this course is to guide students in building a strong foundation in logical thinking and problem solving enabling them to make good financial decisions. Projects will allow them to use the skills and knowledge they gain from this course and apply those skills to real-life situations</p> <p><b>Prerequisite: Intro to Algebra or Algebra I</b></p> |
| Vocational Applied Math | 1         | 6206 | 10-12 | <p>Applied Math is designed to demonstrate the practical applications of mathematical concepts in various fields such as science, engineering, technology, and everyday life. Special attention will be given to on-the-job math skills by using a wide variety of real world problems and situations. As such, students will utilize and develop practical mathematics and problem solving skills in a wide variety of trade, technical, and occupational areas including plumbing, automotive, electrical and construction trades, machine technology, landscaping, HVAC, and more.</p> <p><b>Prerequisite: Intro to Algebra or Algebra I and be concurrently enrolled in CTE course</b></p>   |
| College Algebra         | .5 Fall   | 6404 | 12    | <p>This course covers and extends the properties of functions and their inverses, properties and graphs of exponential functions, graphing techniques for general higher order polynomials and rational functions, and various solution techniques for solving higher order linear systems of equations.</p> <p><b>Prerequisite: Algebra II with a B or higher and high school cumulative GPA of 3.25 or higher</b></p>                                                                                                                                                                                                                                                                          |
| Elementary Statistics   | .5 Spring | 6406 | 12    | <p>This course is an introduction to fundamental statistical concepts and techniques with computer capacity for applying these techniques to data. Includes descriptive statistics, nonparametric statistics, sampling techniques, hypothesis testing, and other statistical inference.</p> <p><b>Prerequisite: Algebra II with a B or higher and high school cumulative GPA of 3.0</b></p>                                                                                                                                                                                                                                                                                                      |

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| Quantitative Reasoning | .5 Spring | 129100 | 12 | <p>This course will prepare students for mathematics encountered in other college courses that use quantitative reasoning. There will be an emphasis on critical thinking needed to understand major issues in society. This course is designed for students not planning to major in a field that requires advanced mathematical skills.</p> <p><b>Prerequisite: Algebra II with a B or higher and high school cumulative GPA of 3.0</b></p> |
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| Science           |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|----|----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Title      | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Physical Science  | 1  | 3007     | 9           | <p>Physical Science brings together physics, chemistry, Earth science, space science, and mathematics. Topics covered include an introduction to Newton's laws of motion, structures and states of matter, and basic concepts of astronomy, geology, and meteorology. Fourth quarter will heavily concentrate on Earth and Space concepts.</p>                                                                                                                                                             |
| Biology           | 1  | 3202     | 10          | <p>Biology is a course that takes a relevant and exploratory approach to promote the understanding of the fundamental concepts and processes of biology. Topics covered are based on six themes: the nature of science, systems and interactions, form and function., energy transfer, evolution and the diversity of life.</p> <p><b>Prerequisites: Physical Science</b></p>                                                                                                                              |
| General Chemistry | 1  | 3006     | 10-12       | <p>Chemistry studies the fundamentals of measurement and its application to the properties of matter, chemical reactions, atomic structure, the periodic table, chemical bonding, gas laws, and acids-bases-salts. Fourth quarter will heavily concentrate on Earth and Space concepts.</p> <p><b>Prerequisite: Completion of Algebra I with a C</b></p>                                                                                                                                                   |
| College Chemistry | 1  | 3020     | 11-12       | <p>This course will follow the syllabus for College Chemistry I as provided by Labette Community College. It will move quickly through the first few chapters which should be reviewed from General Chemistry. A deeper study of stoichiometry and chemical reactions will be a major focus for this course with emphasis on laboratory work. Additional topics include thermodynamics, gas laws, periodic trends and molecular bonding theories.</p> <p><b>Prerequisite: Completion of Algebra 2.</b></p> |

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| Zoology                     | .5           | 3503 | 10-12 | <p>This course encompasses the study of animals in the phylum chordata and includes characteristics and classifications, growth and development, and comparative anatomy. We will study the habitat, niche, and value to mankind of animals from this phylum. Dissection will be a part of this curriculum.</p> <p><b>Prerequisite: Biology.</b></p>                                                                                                                                                                                                                                                                                          |
| Astronomy                   | .5<br>Fall   | 3008 | 10-12 | <p>Astronomy is a course designed to meet the Next Generation Science Standards for Space Systems and History of Earth. Topics covered will begin with form constellations and the night sky. Then the focus will be the solar system and the Sun. The third unit is concerned with stars and black holes. Finally, the course concludes with galaxies and the origins of our universe.</p> <p><b>Prerequisite: Biology.</b></p>                                                                                                                                                                                                              |
| Forensic Laboratory Science | 1            | 1146 | 10-12 | <p>Forensic Science is a semester course that introduces the student to the science of crime scene investigation. The course integrates the applications of biology, chemistry, physics, environmental science, and computer science to explore the field of criminalistics. In addition, students will perform historical case studies and survey careers in forensic science. Laboratory activities will give students the opportunity to demonstrate forensic science techniques presented in lecture.</p> <p><b>Prerequisite Biology and preferred Chemistry or concurrent enrollment in Chemistry.</b></p>                               |
| Marine Science              | .5<br>Spring | 3004 | 10-12 | <p>This semester course is designed to cover an introduction to marine biology. Marine biology is the relationship between biological organisms and their environment. In this class, students will have the opportunity to study the features and possibilities of the earth's oceans. It will explore marine organisms, conditions, and ecology and sometimes cover marine mining, farming, and exploration. Explorations in freshwater species native to Southeast Kansas will also be included in the investigations concerning fishes.</p> <p><b>Prerequisite is Biology with a preference to students who earned a C or better.</b></p> |

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|----------------------------------------------------|--------------|------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Meteorology                                        | .5<br>Spring | 3009 | 10-12 | <p>The course is designed to meet the Next Generation Science Standards for Weather and Climate. Topics begin with Energy for the atmosphere before studying the role of water vapor in our weather. Additionally, the concepts of air pressure and atmospheric circulation will lead into the climate of the course which is storm systems. As a spring semester course, severe thunderstorms will be studied during the months where this weather peaks in activity in our region.</p> <p><b>Prerequisite courses: Biology or General Chemistry.</b></p> |
| Anatomy and Physiology                             | 1            | 8020 | 11-12 | <p>The course presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous), and may dissect mammals.</p> <p><b>Prerequisites: Biology and Chemistry and Algebra II.</b></p>                                                                                                                        |
| College Anatomy and Physiology (Concurrent credit) | 1            | 3101 | 11-12 | <p>The course presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous), and may dissect mammals.</p> <p><b>Prerequisites: Biology and Chemistry and Algebra II.</b></p>                                                                                                                        |
| Physics                                            | 1            | 3302 | 11-12 | <p>This course will be a classic study of physics beginning with measurement and units then transitioning into mechanics and Newton's Laws of Motion. Later topics include a deep investigation of gravity, work, and momentum. The course concludes with waves and thermodynamics.</p> <p><b>Prerequisite courses: Algebra II and Chemistry.</b></p>                                                                                                                                                                                                      |

### Society & Humanities Course Classification: Social Studies and Fine Arts

| Social Studies  |    |          |             |                                                                                                                                                                                                                                                                                                                              |
|-----------------|----|----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Title    | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                         |
| World Geography | .5 | 5101     | 11-12       | <p>The course will provide students with an overview of world geography but may vary widely in the topics they cover. Topics include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.</p> |

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|-----------------------------|--------------|------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Senior Modern World History | .5           | 5120 | 12    | <p>This is an introductory course to World History covering the major events of the Renaissance and the Age of Exploration to the Cold War.</p> <p><b>Notation: This is a graduation requirement.</b></p>                                                                                                                                                                                                                                                                                       |
| Sociology                   | .5           | 5205 | 10-12 | <p>Sociology is an introduction to the study of human relationships. It focuses on society. Structure, organizations, and processes people see in their day-to-day lives.</p>                                                                                                                                                                                                                                                                                                                   |
| General Psychology          | .5           | 5302 | 11-12 | <p>Psychology courses introduce students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology. Emphasis is placed on the basic psychological principles which leads to a greater understanding of human thinking and behavior.</p> <p><b>Prerequisite: Available for high school or concurrent credit</b></p> |
| Developmental Psychology    | .5<br>Spring | 5305 | 11-12 | <p>The subject matter of Developmental Psychology is the branch of psychology that explores the ways in which human physical growth and intellectual and social behavior change. * Course is available for high school or concurrent credit</p> <p><b>Prerequisite: General Psychology with a “C” or better</b></p>                                                                                                                                                                             |
| U.S. History                | 1            | 5301 | 11    | <p>American History is a survey course from the civil war to the present; it is designed to give the student a sense of the past and of the relationship between past events and the present. Included are units in the Civil War, the American West, and World Wars.</p> <p><b>Notation: This is a graduation requirement.</b></p>                                                                                                                                                             |
| Constitution                | .5           | 5402 | 12    | <p>This is the study and function and organization of the American government. It is also an analysis of federalism; executive, legislative, and judicial branches.</p> <p><b>Notation: This is a graduation requirement.</b></p>                                                                                                                                                                                                                                                               |
| Economics                   | .5<br>Spring | 5404 | 12    | <p>Students will learn the basics of personal finance including banking, investing, credit, checking, savings, and taxes. Students will learn how to apply skills to real life situations from employment paperwork to loan applications.</p> <p><b>Notation: This is a graduation requirement.</b></p>                                                                                                                                                                                         |

|                           |    |      |       |                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------|----|------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contemporary World Issues | .5 | 5125 | 10-12 | The course challenges students to examine how world problems and contemporary issues are defined and managed. Students analyze governments, economies, peoples, and cultures from around the world. This course requires students to apply critical thinking, research, and data interpretation skills to define, examine, and explain current events. |
| U.S. Geography            | .5 | 5121 | 10    | This is an introductory course to geography. Topics typically include physical environment, the political landscape, the relationships between people and the land, and economic production and development. (Kansas, United States, and World).                                                                                                       |

| Fine Arts                          |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------|----|----------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Title                       | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                  |
| Introduction to Drawing and Design | .5 | 8115     | 9-12        | Introduction to Drawing and Design emphasized the development of fundamental drawing skills for students learning graphic design. 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. |
| 2D Beginning Art                   | .5 | 8111     | 9-12        | Students in 2D Beginning Art work in the basic areas of drawing, painting, printmaking, sketchbooks, art history, and the elements and principles of art.                                                                                                                                                                                                                             |
| 3D Beginning Art                   | .5 | 8112     | 9-12        | Students in 3D Beginning Art work in the basic areas of ceramics, sculpture, sketchbooks, art history, and the elements and principles of art. Students will have to provide their own sketchbook and other supplies as needed.                                                                                                                                                       |
| Advanced 2D Beginning              | 1  | 8202     | 10-12       | Students in 2D Advanced will build on what they have learned in 2D Beginning Art.<br><br><b>Prerequisite: 2D Beginning Art</b>                                                                                                                                                                                                                                                        |
| Advanced 3D Beginning              | 1  | 8203     | 10-12       | Students in 3D Advanced will build on what they have learned in 3D Beginning Art.<br><br><b>Prerequisite: 3D Beginning Art</b>                                                                                                                                                                                                                                                        |

|                             |   |      |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Beginning Technical Theatre | 1 | 1144 | 9-12  | This course is an introduction to the theory and practical application of theatrical scenery and basic problem solving skills needed in completing school wide productions. Students are exposed to the safe operation of tools used in the construction, painting, assembly, and deconstruction of sets used in productions. The course also serves as an introduction to set design including the generation of working drawings and scale models. Students are required to attend one evening of each of LCHS theatre productions and rehearsals.                                    |
| Theatre I                   | 1 | 1108 | 9-12  | Students will learn the basic elements of appreciating, interpreting, and producing drama. Study includes acting, play analysis, set design, and production of a play. Students will participate in basic scene work in class. Students have an opportunity to participate in the school's productions involving some evenings and weekends. Students are required to attend one evening of each of the LCHS productions.                                                                                                                                                               |
| Advanced Technical Theatre  | 1 | 1140 | 10-12 | Students will study the more advanced aspects of technical theatre production with emphasis on construction and design techniques for technical settings. The specific areas of costuming, lighting, publicity, and set design/construction will be studied along with other genres of technical theatre. Students are required to pass a tools, knowledge, and safety exam. Students are required to attend school's productions and rehearsals involving a few evenings and weekends. Students are required to attend one evening of each of LCHS theatre productions and rehearsals. |
| Advanced Theatre            | 1 | 1150 | 10-12 | This is designed to be a performance based class. Students will build on elements learned in beginning theater. More emphasis will be placed on student directed scenes, characterization, theatre history and play production. Students will be required to participate in plays for the school and community which will require rehearsals in plays for evenings and weekends.<br><br><b>Prerequisites: Theatre I or instructor approval</b>                                                                                                                                          |
| Chorus                      | 1 | 2125 | 9-12  | A performing chorus open to all students. It will function as a choir, but emphasis will be given to developing good vocal technique. Participation in performances outside the school day is required. No audition required.                                                                                                                                                                                                                                                                                                                                                           |

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| Choraleers | 1 | 2101 | 9-12  | A mixed choir consisting mainly of experienced singers or those demonstrating above average technique. Participation in performances and rehearsals outside of school day is required.<br><b>Notation: Audition is required.</b>                                                                                                               |
| Bella Voce | 1 | 2130 | 10-12 | An auditioned treble ensemble consisting of experienced singers who demonstrated above average technique and sight-reading abilities. Participation in performances and rehearsals outside of school day is required. Open to treble voice singers by audition only.<br><br><b>Prerequisite: One year of Chorus or Choraleers is required.</b> |
| Band       | 1 | 2104 | 9-12  | Band members participate in two main ensembles: concert band and marching band. Most performances occur outside of school hours. Participation in performances and rehearsals outside the school day is a requirement of the class.                                                                                                            |

### Communication Course Classification: English Language Arts, Communication

| Communications                        |    |          |             |                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------|----|----------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Course Title                          | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                         |
| Speech                                | .5 | 1104     | 10-12       | Students will develop skills that can be used in a variety of speaking situations. Topics include research and organization, visual and presentation skills, analysis and critique, and development of self-confidence<br><br><b>Notation: A speech course is a required graduation credit beginning with Class of 2028.</b> |
| Speech<br>(Concurrent College Credit) | .5 | 1104     | 11-12       | Students will develop skills that can be used in a variety of speaking situations. Topics include research and organization, visual and presentation skills, analysis and critique, and development of self-confidence<br><br><b>Notation: A speech course is a required graduation credit beginning with Class of 2028.</b> |

| English Language Arts   |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Course Title            | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Introduction to Writing | .5 | ELA 111  | 9           | This course will provide students with the foundational skills required to be successful throughout and after high school. Students will build their writing skills. Students will begin with the elements of a well-structured paragraph and the development of clear, solid thesis statements. MLA format will be introduced with teacher-provided texts. Students will move toward mastery of multiple-paragraph writing, emphasizing the introduction, development of rich body details, and conclusion, emphasizing use of correct grammar, capitalization, and punctuation.                                                                                                                 |
| Intermediate Writing    | .5 | ELA 231  | 10-11       | In this Intermediate Writing Course, students will deepen their understanding of fundamental writing skills essential for effective communication. This class will focus on key areas that enhance writing proficiency, including: generating ideas, creating voice, strengthening organization, refining word choice, building sentence fluency, and honing conventions. By the end of this course, students will emerge as more confident writers equipped with the skills to express their ideas clearly and creatively across various genres and formats.                                                                                                                                     |
| Research Writing        | .5 | ELA 311  | 11-12       | Students will develop and employ an ethical research writing process, which calls for a series of tasks including finding, evaluating, analyzing, synthesizing, and citing appropriate primary and secondary sources. Heavy emphasis will be on using databases, such as The Kansas Library and/or electronic databases that go beyond just browsing the web. Evaluation of sources for use and creating documentation of working information to be used is critical for balanced and credible research. Students will practice direct quoting, paraphrasing, and summarization skills in order to avoid plagiarism. A polished publish-worthy paper with works cited will be the end assessment. |

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| Technical Writing | .5 Fall   | ELA 341 | 11-12 | In this course, students will develop essential writing skills applicable to various aspects of daily life. The curriculum will focus on crafting professional emails, business letters, and text-based communication and composing persuasive and argumentative pieces. Emphasis is placed on correct usage, grammar, formatting, and development. Students will emerge from this course equipped with the skills to effectively communicate in professional and personal contexts and a solid grasp of grammatical principles to enhance their writing techniques and acquire written communication skills to better prepare them for life.                                                                                                                                                                                                                                            |
| Fiction Writing   | .5 Spring | ELA 211 | 10-11 | Fiction Writing is a one-semester course intended to allow students to explore aspects of professional fiction writing. Students will read, critique, and compose original poetry, essays, and short fiction. Students will examine the works of published writers as well as peers to discover, expand, and refine their own skills, voice, and repertoire. Emphasis is placed on the techniques of generating original ideas, and then refining those ideas into polished fiction. Areas covered include writing, revision, and publishing a soliloquy, horror story, and a twisted or traditional fairytale.                                                                                                                                                                                                                                                                          |
| Poetry Writing    | .5 Fall   | ELA 221 | 10-11 | What do Tupac and William Wordsworth have in common? They are masters of the English word. During this course, students will study these and many of their contemporaries as they seek to understand, analyze, and write poetry. Students will study methods, forms, and experiences that have helped develop these poets and will write poetry using many of the same devices. Through in-class writing exercises, reading of model poems, and discussion of student work, this course encourages students to produce poetry of increasing quality. Students will learn the basic elements of poetry, important types of poems, and fundamental poetic techniques. Students will explore many different forms of poems from various time periods and begin to learn what it takes to create a poem. Students will be expected to write some of their own poetry, including a slam poem. |

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| LCC<br>Composition I  | .5<br>Fall   | ELA<br>411 | 12   | <p>This course develops students' abilities in basic, written communication skills. Persons who plan to receive any type of degree must be able to communicate effectively, through both the spoken and written word; this class provides guidance in the areas of traditional grammar and communication logic and gives students practice in applying principles of exposition. In general, the class helps students master language and provides them with critical thinking skills which are necessary in higher education.</p> <p><b>Prerequisite: 3.0+ high school cumulative unweighted GPA after five or more semesters OR 16+ ACT Reading AND ACT English AND B or higher in most recent high school English course and completion of Research Writing course, with at least a 70%, prior to enrolling in Comp I.</b></p> |
| LCC<br>Composition II | .5<br>Spring | ELA<br>421 | 12   | <p>This course continues to develop students' abilities in basic communication skills covered in English Composition I and introduces students to the techniques of research. Persons who plan to receive any type of degree must be able to communicate effectively, both through the spoken and written word; this class provides guidance in the areas of traditional grammar and communication logic and gives students practice in applying the principles of exposition taught in English Composition I. In general, the class helps students master language and provides critical thinking skills which are necessary in higher education.</p> <p><b>Prerequisite: Students must have completed Comp I, with at least a 70%, prior to enrolling in Comp II.</b></p>                                                       |
| Graphic<br>Novels     | .5<br>Fall   | ELA<br>110 | 9-10 | <p>This course is designed to introduce students to graphic novels as literary texts suitable for critical analysis. Students will encounter graphic novels of literary merit representing multiple genres such as memoir, fiction, historical narrative, and autobiography. Reading and discussing texts will focus on the content of the literature (the story) and the craft (the use of formal conventions in writing and art). Students will use their knowledge of these formal conventions to engage in class discussions and respond to the text in informal and formal written critical analysis.</p>                                                                                                                                                                                                                    |
| Mythology             | .5           | ELA<br>120 | 9-10 | <p>This course is designed to introduce students to the fascinating world of myths and legends from various cultures around the globe. Students will explore the rich tapestry of ancient stories, gods, heroes, and monsters,</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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|                                   |           |         |       | and analyze how these myths have influenced literature, art, and popular culture. Through this course, students will develop critical thinking skills, cultural awareness, and an appreciation for the enduring impact of mythology on society. Instructional strategies include a combination of lectures, group discussions, multimedia presentations, and hands-on activities. Students will explore and respond to various global, historical, and social contexts through multiple genres.                                                                                                                                            |
| Mystery and Suspense Literature I | .5        | ELA 130 | 9-10  | No matter what, all of these stories have an extra-creepy edge to them that will have students reading with all the lights on! In this course, students will read mystery, fantasy, and ghost stories and novels offered through a variety of academic texts. Students will analyze and discuss the distinguishing elements of each genre. The reading list and focus is expected to vary with the interest of the students in the class. Emphasis is on reading for pleasure while meeting core standards.                                                                                                                                |
| Modern American Literature        | .5 Spring | ELA 150 | 9-10  | In this course, students will have the opportunity to hear the voices of American writers whose stories might not sound like ours. In this focus on American literature, we will explore works that represent the diversity that is really US - the U.S. - a melting pot of races and cultures whose richnesses have melded together to create the beautiful country that is ours and its relevance today. Readings will focus on the influence of race, class, and gender on society.                                                                                                                                                     |
| Film & Literature Analysis        | .5        | ELA 210 | 10-12 | This course provides an in-depth exploration of literature through a multimedia lens, including novels, television, and films. Students will engage in comparative analysis of literary works across various media, exploring adaptations and reinterpretations of classic texts. Through critical examination, students will identify and analyze literary elements present in television and films, gaining a deeper understanding of storytelling techniques and thematic developments. This course will foster an appreciation for the diverse ways in which literature is portrayed and interpreted across different media platforms. |
| Dystopian Literature              | .5        | ELA 220 | 10-12 | This course is ideal for students who have an interest in exploring thought-provoking and socially relevant literature. It is recommended for those who enjoy contemplating the impact of societal structures and human behavior in fictional contexts. This course provides students with an in-depth exploration of dystopian themes, narratives, and social critiques in                                                                                                                                                                                                                                                                |

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|                   |           |         |       | literature. The course will employ a variety of instructional methods, including close reading, literary analysis, Socratic seminars, and multimedia presentations. Students will develop their critical thinking, analytical, and interpretive skills. Major works may include the novels <i>Unwind</i> by Neal Schusterman and <i>Fahrenheit 451</i> by Ray Bradbury, Shirley Jackson's "The Lottery," and multiple works by Kurt Vonnegut.                                                                                                                                                                                                                                                                                            |
| Podcasts          | .5        | ELA 240 | 10-12 | In this dynamic class, students will delve into the world of podcasting as a modern form of literature. They will critically analyze existing podcasts and explore storytelling techniques, character development, and thematic elements. Additionally, students will have the opportunity to listen to stories on podcasts as an alternate way to enjoy literature. Through this immersive experience, students will also apply their learning by creating their own original podcasts honing their scriptwriting, narration, and production skills. This class offers a blend of literary analysis and hands-on creative expression, providing students a comprehensive understanding of the podcasting medium as a literary art form. |
| War Literature    | .5        | ELA 310 | 11-12 | This course is designed to expose students to the effects and interpretations of war within literature. Through the examination of classic and contemporary poetry, short stories, novels, and articles within the warfare genre, students will gain insight into the multifaceted effects of war on individuals and societies. This course provides an opportunity for students to explore various approaches to war in literature, while enhancing their reading comprehension and writing skills.                                                                                                                                                                                                                                     |
| Sports Literature | .5 Spring | ELA 260 | 10-12 | In this class, students will embark on a literary journey through the fascinating world of sports. Through the exploration of sports-themed literature, students will delve into the themes, characters, and narratives that revolve around athletic pursuits. From contemporary writing and biographies to current events to films and podcasts, students will analyze the cultural significance of sports and its portrayal in literature. Engaging discussions and reflective writing assignments will allow students to critically examine the intersections of sports, identity, and society, providing a deeper understanding of the human experience as portrayed through sports literature.                                      |

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| Survival Literature    | .5 Spring | ELA 320 | 11-12 | The ability to overcome adversity and withstand waves of turbulent times is part of the human spirit. Stories of survival resonate because they remind us of our inherent power to adapt and change. A choice is always present, and survival is about moving forward. In this class, students will read various survival stories and engage in writing and other literature activities centered around the themes of resilience, determination, and the human spirit. The heart of each story has something important to say about our society, world, and mankind, providing students with a deeper understanding of the human experience and the profound impact of survival narratives.                                                                                                                                    |
| True Crime             | .5        | ELA 330 | 11-12 | This course will dive into the history of “true crime” in North America. Students will examine the origin of true crime writing, study the creation and development of psychological profiling, and explore the true crime genre as presented in articles, novels, documentaries, and podcasts. We will also explore the origins of the fascination with crimes of ever-increasing magnitude.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Independent Reading I  | .5        | ELA 420 | 12    | This course enriches students who like to read and work independently. Students will improve reading, writing, and analytical skills, choose novels from individual and/or selected approved lists, and create written and visual research projects that pertain to various aspects of a novel. Students are directed to read, think, and create independently, yet they will work one-on-one with the teacher and share their novels and projects with the class. The course is designed to instill a lifelong passion for reading and to build stamina to prepare students for life after high school. In addition, students are encouraged to read over the summer as well. Each IR class offers its own unique content, so students are eligible to take both Independent Reading I and II, either have any prerequisites. |
| Independent Reading II | .5        | ELA 430 | 12    | This course enriches students who like to read and work independently. Students will improve reading, writing, and analytical skills, choose novels from individual and/or selected approved lists, and create written and visual research projects that pertain to various aspects of a novel. Students are directed to read, think, and create independently, yet they will work one-on-one with the teacher and share their novels and projects with the class. The course is designed to instill a lifelong passion for reading and to build stamina to prepare students for life after high school. In addition, students are encouraged to read over the summer as well. Each IR                                                                                                                                         |

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|                     |    |         |       | class offers its own unique content, so students are eligible to take both Independent Reading I and II, either have any prerequisites.                                                                                                                                             |
| Dramatic Literature | .5 | ELA 410 | 10-12 | ALL THE WORLD'S A STAGE! Students will read a survey of drama from the Greeks to the 21st Century. Students will analyze and write about plays ranging from Oedipus the King to Waiting for Godot - both as works of literature and as an outgrowth of and a commentary on society. |

| Foreign Language |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Course Title     | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Spanish I        | 1  | 1111     | 10-12       | <p>Designed to introduce students to Spanish language and culture. Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through art, literature, customs, and history of Spanish-speaking people.</p> <p><b>Prerequisite: Must have an A or B in Freshman English Courses.</b></p>                                                                                                        |
| Spanish II       | 1  | 1211     | 10-12       | <p>Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).</p> <p><b>Prerequisite: Spanish I with a C or better.</b></p> |
| Spanish III      | 1  | 1311     | 11-12       | <p>This is an intermediate course for students who wish to gain better fluency and understanding of a foreign language. The course is intended to further develop each of the major communication skills: listening, reading, speaking, and writing. Major emphasis is placed on developing the ability to communicate fluently with</p>                                                                                                                                                                                                                                                                                              |

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|                                  |    |      |       | accurate pronunciation/intonation and sentence structure, in a variety of authentic contexts. Emphasis is also placed on fostering an appreciation of the culture of Spanish-speaking countries through the study of history, literature, art, etc.<br><br><b>Prerequisite: Spanish II with a C or better.</b> |
| Spanish Conversation and Culture | .5 | 1213 | 10-12 | Spanish Conversation and Culture courses provide students with an introduction to the Spanish language and the culture(s) of Spanish-speaking people, placing greater emphasis on speaking and listening skills while de-emphasizing writing and reading the language.                                         |

### Employability & Life Skills Course Classification: Physical Education, Health, Financial Literacy

| Physical Education     |    |                          |             |                                                                                                                                                                                                                                                                                                                               |
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| Course Title           | Cr | Course #                 | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                          |
| Physical Education     | .5 | 5170 Male<br>5171 Female | 9           | In this course, students will develop a positive image of physical fitness that will enhance the students' well-being and health through lifetime activities. The student will gain the knowledge, skills, and behaviors essential to leading a productive and healthy lifestyle. This course has a uniform and locker fee.   |
| Health                 | .5 | 5224 Male<br>5221 Female | 9           | Topics covered within this course typically include personal health (nutrition, mental health, stress management, disease prevention, and first aid) and consumer health issues.                                                                                                                                              |
| Physical Education II  | 1  | 5206 Male<br>5207 Female | 10-12       | Physical education II is offered for those students who have a special interest in physical education and desire to continue work and study in the area. Students will develop a positive image of physical fitness that will enhance the students' well-being and health through lifetime activities in a competitive class. |
| Conditioning (Weights) | 1  | 5204 Male<br>5211 Female | 9-12        | The Grizzly Strength Training and Physical Conditioning class is designed to provide students with the opportunity to participate in moderate to vigorous levels of physical activity on a regular basis. This activity will include but is not limited to weight training, running routines, and athletic injury prevention. |

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| Officiating | .5 | 9155/<br>9155B | 11-12 | Officiating courses in Kansas teach the rules, mechanics, and psychology of officiating sports like football, basketball, and volleyball. These courses focus on risk minimization, proper game management, professional ethics, and preparing for certification as a licensed athletic official. |
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| Financial Literacy                        |    |          |             |                                                                                                                                                                                                                  |
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| Course Title                              | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                             |
| Personal Finance<br>(Beginning 2027-2028) | .5 |          | 12          | Students will demonstrate management of time, money, and resources in order to achieve personal goals. Students will understand the relationship between economic systems, career choices, and consumer actions. |
| Economics                                 | .5 | 5404     | 12          | Students will demonstrate management of time, money, and resources in order to achieve personal goals. Students will understand the relationship between economic systems, career choices, and consumer actions. |

### STEM Course Classification: Career and Technical Education (CTE)

| Introduction to Trades                |    |          |             |                                                                                                                                                                                                                                                                                                                                                                        |
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| Course Title                          | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                   |
| Introduction to Industrial Technology | .5 | 7109     | 9-10        | <p>An introductory level course that is a broad based career explorations class that utilizes the basic skills necessary to all occupations in the Construction, Manufacturing and Transportation career clusters.</p> <p><b>Notation: This course is prerequisite to the Construction, Manufacturing, Automotive, Wood Technology, and CAD/Drafting programs.</b></p> |

| Automotive                        |              |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Course Title                      | Cr           | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| General Automotive Service Tech I | 1            | 7457     | 10-12       | <p>This is a technical level course designed to provide students with basic theories and information needed to develop an understanding of automotive and light trucks. Instruction will consist of classroom lecture, presentations, and hands-on activities in an auto shop environment using lab vehicles and trainers. All students will be required to diagnose, inspect, and repair automotive systems per manufacturer and service industry standards.</p> <p><b>Prerequisite: Intro to Industrial Technology or Instructor permission</b></p>                             |
| General Automotive Service II     | 2 hr block   | 7456     | 11-12       | <p>A comprehensive, application level course designed to provide students with knowledge in the theory of operation, the equipment and the skills necessary for employment in the field of automotive and light truck service. Instruction will consist of classroom lecture, presentations, and hands-on activities in an auto shop environment using lab vehicles and trainers. All students will be required to diagnose, inspect, and repair automotive systems per manufacturer and service industry standards.</p> <p><b>Prerequisite: General Automotive Service I</b></p> |
| General Automotive Service III    | 1-2 hr block | 7459     | 11-12       | <p>An advanced application level course designed to provide students with opportunities to perform inspection, diagnosis, and repair of automobiles and light-duty trucks. Instruction will consist of classroom lecture, presentations, and hands-on activities in an auto shop environment using lab vehicles and trainers. All students will be required to diagnose, inspect, and repair automotive systems per manufacturer and service industry standards.</p> <p><b>Prerequisite: General Automotive Service II</b></p>                                                    |

| Construction Trades                  |     |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Course Title                         | Cr  | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Residential Carpentry I              | 1-2 | 7231     | 10-12       | <p>The course can be taken for a 2-3 hour block class where students learn carpentry skills and construct a house or a building from framing work to the finish work. Students develop an understanding of career options available within the construction industry. Students learn to work with building plans, building permits, insurance coverage, and building codes.</p> <p><b>Prerequisite: Intro to Industrial Technology</b></p>                                        |
| Residential Carpentry II             | 1-3 | 7232     | 11-12       | <p>The course can be taken for a 2-3 hour block class where students learn advanced carpentry skills and construct a house or a building from framing work to the finish work. Students develop an understanding of career options available within the construction industry. Students learn to work with building plans, building permits, insurance coverage, and building codes.</p> <p><b>Prerequisite: Residential Carpentry I</b></p>                                      |
| Workplace Experience in Construction | 1-3 | 7601     | 11-12       | <p>The course provides students with work experience in a field related to architecture or construction. Goals are typically set cooperatively by the student, teacher, and employer. These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.</p> <p><b>Prerequisite: Residential Carpentry II</b></p>                                                         |
| Drafting/CAD                         | .5  | 7315     | 10-12       | <p>Drafting/CAD is designed to emphasize the computer as a drafting tool as well as teach students about the hand drafting equipment and the students will learn to be productive using a CAD system as well as hand drawing techniques to produce several topics including areas such as 2D drawing, 3D drawing, illustration drawings, drawing for computer numerical control, and computer aided manufacturing.</p> <p><b>Prerequisite: Intro to Industrial Technology</b></p> |

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| Woodworking Principles | 1 | 7226 | 10-12 | <p>Students in this class will study various aspects of the woodworking industry including cabinet making as well as furniture construction and design. This class provides the opportunity to work with state-of-the-art machinery in the construction of the student's own personal project. Some of the construction techniques presented include solid wood raised panels, steam bending, laying plastic laminate and CNC.</p> <p><b>Prerequisite: Intro to Industrial Technology</b></p> |
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| Manufacturing (Drafting/Machining) |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Course Title                       | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Production Blueprint Reading       | .5 | 7108     | 9-12        | <p>Blueprint reading courses provide students with the knowledge and ability to interpret the lines, symbols, and conventions of drafted blueprints. They generally emphasize interpreting, not producing, blueprints, although the courses may provide both types of experience.</p>                                                                                                                                                                                            |
| Computer Aided Machining (CAM) I   | 1  | 7312     | 10-12       | <p>A technical level course that introduces students to the basics of computer aided software and machining techniques . This includes 3D modeling, G code generation, and 2D machining. Previously ComputerAided Manufacturing.</p> <p><b>Prerequisite: Intro to Industrial Technology</b></p>                                                                                                                                                                                  |
| Computer Aided Machining (CAM) II  | 1  | 7313     | 11-12       | <p>An application level course that builds on skills learned in Computer-Aided Machining (CAM) I. This course introduces advanced methods used in creating computer-generated models and machining practices.</p> <p><b>Prerequisite: CAM I</b></p>                                                                                                                                                                                                                              |
| Drafting/CAD                       | 1  | 7315     | 10-12       | <p>Drafting/CAD is designed to emphasize the computer as a drafting tool as well as teach students about the hand drafting equipment and the students will learn to be productive using a CAD system as well as hand drawing techniques to produce several topics including areas such as 2D drawing, 3D drawing, illustration drawings,drawing for computer numerical control, and computer aided manufacturing.</p> <p><b>Prerequisite: Intro to Industrial Technology</b></p> |

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| Advanced Drafting | 1 | 7314 | 11-12 | <p>Advanced drafting is designed for the student wishing to advance their skills to become a designer, detailer, or engineer. This course will allow students to gain knowledge in architectural/mechanical design/drafting including CAD/CAM, mold design, structural steel drawing and design.</p> <p><b>Prerequisite: Drafting/CAD</b></p> |
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| Engineering/Electronics                      |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| Course Title                                 | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                     |
| Foundations of Electronics                   | 1  | 7009     | 9-12        | <p>A technical level course that includes fundamental and practical electricity including power, watts and electronic components. Electrical quantities and units. In addition to knowledge acquired and tool handling ability learned, the student is able to do simple electronic repair jobs.</p> <p><b>Prerequisite: Completed or concurrently enrolled in Algebra I. Needs Blueprint Reading to be an engineering completer</b></p> |
| Emerging Technologies in Electronics         | 1  | 7207     | 10-12       | <p>An advanced course in electronics that continues with transistors, receivers, transmitters, oscillators, amplifiers, and advanced power circuits. Upon completion the students should be qualified to repair, align, and troubleshoot problems in radio circuits and amplifiers.</p> <p><b>Prerequisite: Foundations of Electronics</b></p>                                                                                           |
| Particular Topics in Electronics Engineering | 1  | 7209     | 11-12       | <p>An advanced course in electronics that continues with transistors, receivers, transmitters, oscillators, amplifiers, and advanced power circuits. Upon completion the students should be qualified to repair, align, and troubleshoot problems in radio circuits and amplifiers.</p> <p><b>Prerequisite: Emerging Technologies in Electronics</b></p>                                                                                 |
| Digital Electronics                          | 1  | 7008     | 11-12       | <p>The course includes computer principles to train a student to understand, trouble shoot, and repair computer circuits. Microwave and radar principles are studied in this advanced class.</p> <p><b>Prerequisite: Particular topics in Electronics Engineering</b></p>                                                                                                                                                                |

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| Electronic Engineering Design | 1 | 7311 | 11-12 | <p>Emphasis is placed on microcontrollers and microprocessors which branches to computer repair, robotics, programmable logic controllers, sensors, pneumatics, troubleshooting consumer products, and digital electronics. Class is in a lab working with actual equipment for the development of skills technicians.</p> <p><b>Prerequisite: Foundations of Electronics, Emerging Technologies in Electronics, and Particular topics in Electronics Engineering</b></p> |
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| Agriculture                 |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Course Title                | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                       |
| Introduction to Agriculture | 1  | 7162     | 9-12        | <p>Course content emphasizes science-based approaches to agricultural industry, natural resources, animal science, plant and soil science, agricultural safety, agribusiness and economic principles, careers, and agricultural mechanics. Leadership and personal development are taught through the integration of FFA Career Developments and SAE/OJT activities.</p>                                                                   |
| Plant and Soil Science      | 1  | 7264     | 10-12       | <p>Students will be exposed to a wide range of scientific principles, such as genetics, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Learning opportunities are varied with classroom, laboratory, and field experiences emphasized.</p> <p><b>Prerequisite: Introduction to Agriculture</b></p> |
| Animal Science              | 1  | 7364     | 10-12       | <p>This course studies animal science, past history, future technology, and current career opportunities. We will cover large and small animals, companion animals and production livestock. The FFA, leadership, SAE and Career Development Events will be introduced.</p> <p><b>Prerequisite: Introduction to Agriculture</b></p>                                                                                                        |

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| Agricultural Mechanics            | 1 | 7421          | 10-12 | <p>This course is designed to develop knowledge and skill in the fundamentals of agricultural mechanics and power equipment. Major areas of content are agricultural mechanics and power; personal and employability safety; using measuring devices; metal fabrication; and machinery and engines. FFA and supervised experience will also be included as appropriate.</p> <p><b>Prerequisite: Introduction to Agriculture</b></p>                                                                  |
| Agriculture Welding               | 1 | 7362          | 10-12 | <p>This course provides students with the skills in shielded arc welding, oxy-fuel cutting, welding safety and terminology, and agricultural manufacturing.</p> <p><b>Prerequisite: Introduction to Agriculture</b></p>                                                                                                                                                                                                                                                                              |
| Animal Health                     | 1 | 7462/<br>7447 | 11-12 | <p>The course imparts information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior, and reproduction, but may also include other areas of study as appropriate.</p> <p><b>Prerequisite: Introduction to Agriculture</b></p>                                                                                                                       |
| Agriculture Mechanics/<br>Power   | 1 | 7262          | 11    | <p>This course is designed to develop knowledge and skill in the fundamentals of agricultural mechanics and power equipment. Major content includes meaning and importance of agricultural mechanics and power; personal and employability safety; identifying, using, and maintaining common hand and power tools; planning and organizing facilities and shops; using measuring devices; metal fabrication; and machinery and engines.</p> <p><b>Prerequisite: Introduction to Agriculture</b></p> |
| Agribusiness                      | 1 | 7369          | 11    | <p>Students will learn skills needed to manage an agricultural business. Instruction includes economic business principles and structures, business enterprise analysis, accounting, taxes, insurance, productivity, commodity groups, estate planning, salesmanship, and application of computer software and hardware in agriculture.</p> <p><b>Prerequisite: Introduction to Agriculture</b></p>                                                                                                  |
| Advanced Plant and Animal Science | 1 | 7448          | 11-12 | <p>The course imparts the knowledge and skills needed to bring animal and plant products to market. They may cover a wide variety of topics, including care and maintenance of animals or plants, quality selection and preservation, equipment care and sanitation, government regulations, and marketing and consumer trends.</p> <p><b>Prerequisite: Introduction to Agriculture and Animal Science or Plant and Soil</b></p>                                                                     |

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| Agriculture Leadership and Communication | 1 | 7408 | 11-12 | <p>Course helps students develop leadership skills with a focus on opportunities in the food, fiber, and natural resources industries. Topics may include but are not limited to human relationships and effective communication, decision-making and problem-solving, leadership qualities and styles, and ensuring successful completion of group activities.</p> <p><b>Prerequisite: Introduction to Agriculture</b></p> |
| Advanced Ag Mechanics                    | 1 | 7363 | 11-12 | <p>This course is for students who wish to develop knowledge and skill in tractors, implements, engines and related technologies. Content includes use of agricultural tractors; kinds and uses of crop production equipment; internal combustion engine principles and maintenance; tractor power trains; and electronics.</p> <p><b>Prerequisite: Introduction to Agriculture and Ag Mechanics</b></p>                    |

| Welding                 |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Course Title            | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Introduction to Welding | .5 | 7468     | 9-10        | <p>This course introduces the student to the world of business. Students will examine business topics including basic economic concepts, owning and operating a business, marketing, management, business finance, and career planning. This course will also serve as a background for other business courses the student may take in college. After completion, students will be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects.</p> <p><b>Notation: Prerequisite for all other welding courses</b></p> |
| Production Welding I    | 1  | 7337     | 10-12       | <p>This is an intermediate course for the welding program. Topics covered will include safety welding processes, and project construction. The shop includes wire fed machines, cutting torches, new AC-DC welders, a wide variety of tools, grinders, portable units and proper exhaust systems, updated plasma table, and a handheld plasma cutter.</p> <p><b>Prerequisite: Introduction to Welding</b></p>                                                                                                                                                             |

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| Production Welding II | 1 | 7494 | 11-12 | <p>Students will cover blueprint reading, cutting processes, arc welding, mig welding, and tig welding in all positions on projects.</p> <p><b>Prerequisite: Production Welding I</b></p> |
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| Business Management and Entrepreneurship |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Course Title                             | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Business Essentials                      | .5 | 4104     | 9-12        | <p>This course introduces the student to the world of business. Students will examine business topics including basic economic concepts, owning and operating a business, marketing, management, business finance, and career planning. This course will also serve as a background for other business courses the student may take in college. After completion, students will be able to demonstrate an understanding of business concepts as a foundation for studying other business subjects.</p> <p><b>Notation: Prerequisite for all other business classes.</b></p> |
| Entrepreneurship                         | .5 | 4303     | 9-12        | <p>Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication.</p> <p><b>Prerequisite: Business Essentials.</b></p>                                                                                                      |
| Business Management                      | .5 | 4110     | 10-12       | <p>Business Management course acquaints students with management opportunities and effective human relations. This course provides students with the skills to perform planning, staffing, financing, and controlling functions within a business. In addition, they usually provide a macro-level study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy.</p> <p><b>Prerequisite: Business Essentials.</b></p>                                                                 |

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| Business Communications                       | .5   | 4332      | 10-12 | <p>The course helps students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication.</p> <p><b>Prerequisite: Business Essentials.</b></p>                                                                                                                                       |
| Accounting                                    | 1    | 4302/4215 | 10-12 | <p>Accounting courses introduce and expand upon the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used.</p> <p><b>Prerequisite: Business Essentials.</b></p> |
| Business Workplace Experience (Grizzly Grind) | .5/1 | 4332      | 9-12  | <p>Business Workplace Experience students will practice skills of planning, organizing, directing and controlling functions of operating a business while assuming the responsibilities and risk involved. Students will develop skills in enterprise development, market analysis and financial preparation while working in the Grizzly Grind</p> <p><b>Prerequisite: Business Essentials</b></p>                                                                                                                              |
| Applied Business Development                  | 1    | 4111      | 11-12 | <p>Applied Business Development students will do independent study work to further their learning in areas of finance, marketing, and accounting. College course work will be supported through this course with additional instruction from a high school teacher.</p> <p><b>Prerequisite: Business Essentials and one of the technical level courses: Business Communications, Entrepreneurship, or Business Management</b></p>                                                                                                |

| Graphic Design                                             |    |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| Course Title                                               | Cr | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Introduction to Drawing and Design<br>(not for CTE credit) | .5 | 8115     | 9-12        | Introduction to Drawing and Design emphasized the development of fundamental drawing skills for students learning graphic design. Focus will be on the application of art theory, processes and techniques that increase the power of observation.                                                                                                                                                                                                                                                                                                                                                  |
| Graphic Design Fundamentals                                | .5 | 4219     | 10-12       | Graphic Design Fundamentals provides a basic understanding of the graphic design process, principles, exploring industry tools, software and equipment and learning compositional techniques to develop a quality product.<br><b>Prerequisite: Introduction to Drawing and Design</b>                                                                                                                                                                                                                                                                                                               |
| Graphic Design Print                                       | 1  | 4217     | 10-12       | Hands-on course utilizing Adobe software. Students will create and produce content according to a target market. Students will apply principles and elements of design and evaluate the visual appeal of projects.<br><b>Prerequisite: Introduction to Drawing and Design and Graphic Design Fundamentals</b>                                                                                                                                                                                                                                                                                       |
| Graphic Design Production                                  | 1  | 4108     | 10-12       | Graphic Design Production provides a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment and learning composition techniques to develop a quality product. This course will focus on laser engraving, vinyl cutting, and production of products on various mediums.<br><b>Prerequisite: Introduction to Drawing and Design and Graphic Design Fundamentals</b>                                                                                                                         |
| Photo Imaging                                              | .5 | 7304     | 10-12       | Photo Imaging teaches use of equipment, software and techniques to take, edit, and manipulate digital images.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Applied Graphic Design                                     | 1  | 4107     | 11-12       | This course gives students an opportunity to apply the skills obtained in technical level graphic design courses in a project-oriented environment. Competencies may reflect the particular work environment, workplace experience and/or the essential skills addressed reflective of previous coursework. Workplace Experience courses provide students with work experience in fields related to marketing. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid).<br><b>Prerequisite: Graphic Design Production or Print</b> |

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| Yearbook<br><br>(not for CTE credit) | 1 | 4413 | 10-12 | This course is associated with the production yearbook. Journalism courses introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; and teach students the principles of production design, layout, and printing. Photography and photojournalism skills may be included. |
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| Family Consumer Science and Teaching Pathways |            |          |             |                                                                                                                                                                                                                                                                                  |
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| Course Title                                  | Cr         | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                             |
| Introduction to Family and Consumer Sciences  | .5         | 7146     | 9-12        | Topics include: restaurant and event management, culinary arts, elements and principles of design, interior design, fashion illustration, family studies, and human growth and development.<br><br><b>Notation: prerequisite for culinary pathway</b>                            |
| Culinary Essentials                           | .5<br>Fall | 7155     | 10-12       | Taught during first semester, paired with Baking and Pastry 1. Topics include: knife skills, exploration of various cooking methods, working with industry-standard equipment and procedures<br><br><b>Prerequisite: Introduction to Family and Consumer Sciences</b>            |
| Career Connections                            | 1          | 7003     | 11-12       | Students may enroll in this class to learn advanced knowledge on topics including: advanced technical skills, portfolio building, industry-standard certification, work-based learning<br><b>Prerequisite: Introduction to Family and Consumer Sciences, Culinary Essentials</b> |

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| Family Studies         | .5   | 7001          | 9-12  | <p>Students will explore the roles and responsibilities of parents and how society, media, technology, and demographics impact their ability to balance work and family.</p> <p><b>Prerequisite: Introduction to Family and Consumer Sciences</b></p>                                                                                                                                                                                                                                                                                                   |
| Leadership in Action   | .5   | 7188          | 10-12 | <p>This course empowers individuals to assume advocacy roles which support families, communities, and consumers by researching social issues, developing and implementing an action plan, and applying decision making through civic engagement and service learning.</p> <p><b>Prerequisite: Introduction to Family and Consumer Sciences</b></p> <p>Open only to students completing the Family, Community and Consumer Services Pathway or elected student leaders within school sponsored organizations- instructor approval required to enroll</p> |
| Dimensions of Wellness | .5   | 7181          | 10-12 | <p>This course will examine components of interpersonal and intrapersonal well-being. Students will prepare for careers related to mental and behavioral health by taking an in-depth look at the 8 dimensions of wellness, understanding the difference between each, practices to build them, and the interrelationships between the dimensions.</p> <p><b>Prerequisite: Introduction to Family and Consumer Sciences</b></p>                                                                                                                         |
| Teaching as a Career   | 1    | 7197/<br>7196 | 10-12 | <p>Teaching as a Career introduces students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information.</p> <p><b>Prerequisite: Introduction to Family and Consumer Sciences and Family Studies</b></p>                                                                                                                                                                                                                                                 |
| Teaching Internship    | .5/1 | 7211          | 11-12 | <p>Students will be exposed to and trained in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.</p> <p><b>Prerequisites: Intro to FCS, Family Studies, Lifespan Development, Teaching as a Career</b></p>                                                                                                                                                                                                 |

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| Workplace experience in Human Services | 1 | 7183 | 12 | <p>This advanced application of knowledge learned in the Family Consumer Services pathway in placements in the community or workplace of human services careers.</p> <p><b>Prerequisites: Lifespan Development, Dimensions of Wellness, and Leadership in Action</b></p> |
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| Health Sciences    |           |          |             |                                                                                                                                                                                                                                                                                                                                        |
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| Course Title       | Cr        | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                   |
| Health Science I   | .5 Fall   | 8101     | 9-12        | Health Science I provides an overview of the profound careers available to individuals in healthcare. This is a medical terminology introductory course along with studying the well-being, health or medical care for human beings or those who are sick or unhealthy.                                                                |
|                    | .5 Spring | 8001     |             |                                                                                                                                                                                                                                                                                                                                        |
| Health Science II  | 1         | 8016     | 10-12       | <p>Health Science II provides the development of advanced knowledge and skills necessary for health professions. This course will also include advanced medical terminology, First Aid, CPR, and learning physical skills associated with becoming a Certified Nurses Assistant.</p> <p><b>Prerequisite: Health Science I</b></p>      |
| Health Science III | 2         | 8011     | 11-12       | <p>The practicum is designed to give students practical application of previously studied knowledge and skills. Practicum experiences will occur in a variety of locations appropriate to the level of experience. Will include independent study in the classroom.</p> <p><b>Prerequisite: Health Science II</b></p>                  |
| Health Science IV  | 1         | 8017     | 11-12       | <p>This course will further students in their healthcare career pathways. This course is a dual credit course. Available college online courses taken during this class include: CNA, medical terminology, CMA, phlebotomy, basic nutrition, OSHA for healthcare, Pharmacology, etc.</p> <p><b>Prerequisite: Health Science II</b></p> |

## College and Career Readiness

| College and Career Readiness |            |          |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| Course Title                 | Cr         | Course # | Grade Level | Course Description and Prerequisites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| College Orientation          | .5<br>Fall | 5304     | 12          | This class is intended for motivated, college-bound students who are willing to put their strong work ethic to good use. The class will cover a variety of components that will be beneficial in preparing for college exploration. They will be exposed to ACT prep materials. They will be provided with time to explore colleges and encouraged to make actual campus visits. They will be addressing necessary financial aid parts that are required by most colleges and universities. All students enrolled in this class will be provided individual assistance with scholarship materials. The FAFSA will be thoroughly covered and assistance provided to parents. |
| Career Orientation           | .5<br>Fall | 9038     | 12          | This course helps students enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. These courses typically cover such topics as career planning and selection, money management, communication skills, interpersonal business relationships and behaviors, and personal responsibility.                                                                                                                                                                                                                                                                                         |
| Internship                   | .5 -2      | 7441     | 12          | <p>Internship provides students to gain knowledge and skills for various careers. Students will provide a detailed log of experiences and hours while participating. Opportunities can be paid or unpaid but are set up through the district and require principal and instructor approval.</p> <p><b>Notation: Requires Instructor Approval</b></p>                                                                                                                                                                                                                                                                                                                        |
| Work Study                   | .5 or<br>1 | 7441     | 12          | <p>Work study provides students an opportunity to gain knowledge and skills for various occupations. Students will provide a detailed log of experiences and hours while participating.</p> <p><b>Notation: Requires Principal Approval and continuous employment</b></p>                                                                                                                                                                                                                                                                                                                                                                                                   |

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| Teaching Assistant | .5<br><br>No more than 1 full credit | 7431           | 12    | Teacher Assistant-No more than one assistant per hour (excluding -Students must have assigned tasks that may include: copying, filing, typing, answering the telephone, and other activities as needed. Students should be in the classroom and attendance will be taken. Students will receive an S (satisfactory) or U (unsatisfactory) grade Students must have teacher permission before being approved to be an assistant. The principal will determine final approval. |
| Drivers Education  | .5                                   | 9153/<br>9153B | 11-12 | Classroom and lab course will provide students with the knowledge and experience to become safe drivers on America's roadways. Topics will include rules of road, safe driving strategies, and physical and mental factors affecting a driver's capacity.<br><br><b>Teacher or Administration Permission Required.</b>                                                                                                                                                       |