

Course Offerings

Introduction

The course descriptions that follow represent a brief summary of each class offered at the high school level. The descriptions do not necessarily list all topics and/or activities associated with each class.

Note that some courses require a fee for materials or labs. Students who have been approved for free or reduced price meals can, at their discretion, have any or all of their base material fees waived. Requests for the fee waiver must be submitted to the building principal.

Academic Course Descriptions

This course description booklet has been compiled to aid you in choosing classes for next year. It contains a list and description of classes offered at RHS. Additional information listed includes: to whom the course is open, what prerequisites are required, and how many credits the course is worth. Not all classes are offered each year due to changes in faculty, student interest, or, in some cases, state requirements. The # symbol represents weighted courses.

The curriculum at Ridgeway High School has been developed to provide as wide a range of courses as existing facilities and staff will permit. A great amount of time and effort is devoted to the process of students selecting courses and constructing a master schedule that will permit most students to get their course selections.

Language Arts

4 Credits Required

English I- (1 CREDIT)

Grade 9

Full-year course. English I is the freshman level course. This is a foundational course designed to develop students' communication skills and create stronger readers, writers, speakers and listeners. Literature studies include a variety of genres (short stories, poetry, drama, novels, plays, etc.) and the terms associated with these genres that will help students do well in EOC and other standard-based tests. This course covers a broad spectrum of language activities

within its year-long course of study and is rooted in basic skills concepts in all phases of language. **This is a required course for graduation.**

English II - (1 CREDIT)

Grade 10

Full-year course. English II is the sophomore level course. This is a challenging course that is EOC tested. It will prepare students for the EOC, ACT, and for future success in English classes. This course will focus on developing the analysis skills needed to examine increasingly difficult texts. Students will also focus on writing a variety of formal and informal texts. Upon completion of the course, students will be more independent thinkers and readers. **This is a required course for graduation.**

Prerequisite: English I

English III - (1 CREDIT)

Grade 11

Full-year course. English III is a junior level course. This class includes an in-depth study of American Literature from the settling of the United States to present time, including the study of the novel, short story, and poetry. This class includes an emphasis on grammar, writing essays, and the development of a research paper. This class should be considered essential for all college-bound students. **This is a required course for graduation.**

Prerequisite: English II

#English IV - (1 CREDIT)

Grade 12

Full-year course. English IV is a senior level course and should be taken by college-bound seniors or students who are non-college-bound but still capable of completing the course. This course is an introduction to expository and argumentative writing and includes reviews of grammar, conventions, usage, and vocabulary. The literature covers a variety of genres, including short stories, novels, plays, poetry, and non-fiction.

Prerequisite: English III

Applied Communications - (1 CREDIT)

Grade 12

Full-year course. This is a senior level English course designed for students who are aiming for vocational education or directly into the workforce. Emphasis will be placed on reading, writing, interpretation, communication and presentation that will showcase skills that will be useful in life beyond high school. Students will focus on skills in the English field that will prepare them to meet the demands of the workforce using work-related texts and writing assignments. Students prepare a personal resume and learn to compose a cover letter.

Prerequisite: English III

Creative Writing - (0.5 CREDIT)

Grades 11-12

Semester course. Creative Writing is an English elective providing students with the opportunity to show off their skills. Students respond to a variety of small prompts, create “portfolios” of their favorite pieces, and work weekly toward a final story project. This course is heavily oriented around skillful writing and individual creativity; it’s goal – to provide students the chance to create something extraordinary. **Elective for 11-12 grade.**

Prerequisite: English I & II

Mythology - (0.5 CREDIT) Grades 11-12

Semester course. In Mythology, we focus on an in-depth history of Sumerian, Greek, and Roman mythology. While the length of readings may be challenging (we use a college-level book), the content is easily understandable and interesting. The course is largely project-based and students can expect assignments such as student-taught chapters, culture days, map recreations, gods/goddesses/monsters drawings, etc. **Elective for 11-12 grade.**

Prerequisite: English I & II

Speech - (0.5 CREDIT) Grades 11-12

Semester course. Emphasis in this class is on the construction and delivery of an effective speech. Practice in delivering the various kinds of speeches needed in social and business situations will be addressed. Understanding the basic speech format and developing self-confidence are major emphases. **Elective for 11-12 grade.**

Prerequisite: English I & II

#Dual Credit Speech Communications NCMC-SP 175 - (0.5 HS CREDIT/3.0 College Credit) Grades 11-12

Semester course. SP 175 is for college-bound juniors and seniors who meet NCMC's enrollment requirements. Learn how to better think and act as a public speaker by preparing the presenting speeches. Application of content and self-assessment are principle learning strategies in this introductory course. The message-creation process stresses thinking broadly and deeply about the subject. The delivery approach emphasizes interactive skills and attitudes.

Prerequisite: English I & II

#Dual Credit English I NCMC-En 101 - (0.5 HS CREDIT/3.0 College Credit) Grades 11-12

Semester course. EN 101 is for college-bound juniors and seniors who meet NCMC's enrollment requirements. An introduction to expository and argumentative writing, emphasizing reading, critical thinking and analytical writing skills. Several short papers are assigned, with emphasis on the writing process.

Prerequisite: English I & II

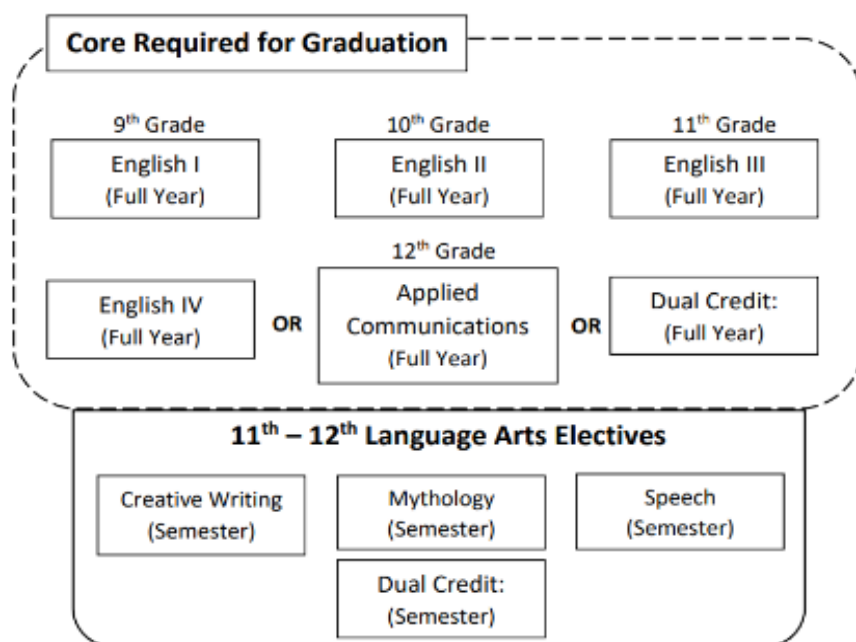
#Dual Credit English II NCMC-EN 102 - (0.5 HS CREDIT/3.0 College Credit) Grade 11-12

Semester course. EN 102 is for college-bound juniors and seniors who meet NCMC's enrollment requirements. A continuation of EN101, emphasizing longer and more impersonal and critical writing forms. Organizational skills are developed through the outline and summary units; analytical reading and critical thinking are stressed. A thorough use of library and online resources is required for the bibliography unit and the final research paper.

Prerequisite: English I & II, EN 101

Language Arts

4 Credits Required for Graduation



Mathematics

3 Credits Required

Pre-Algebra - (1.0 CREDIT)

Grade 9

Full-year course. This Algebra course section progresses at a slower speed to reinforce mathematical skills taught in grades 6-8, with additional advanced computation including an emphasis on Algebraic concepts. Students study fractions, decimals, percents, positive and negative integers and rational numbers. They become more proficient in using ratios, proportions and solving algebraic equations. Students will develop and expand problem solving skills (creatively and analytically) in order to solve real world problems. Students continue to practice using math skills to solve word problems and to think creatively and analytically. Students will use manipulatives and calculators. Successful completion of this course prepares students for success in Algebra I.

Prerequisite: 8th grade math

Algebra I - (1.0 CREDIT)**Grades 9-10**

Full-year course. This is a challenging course that is EOC tested. This course is designed to give students a foundation for all future mathematics courses. Students will explore the foundations of Algebra to be able to: solve linear, exponential, and quadratic equations; solve linear inequalities; identify functions and use function notation; solve systems of equations and inequalities; understand exponents and exponential functions; understand polynomials and factoring; solve quadratic functions and equations; simplify radical expressions and equations; and analyze data. Students will take the required EOC exam (Advanced or Proficient scores are required for the A+ Program). **This is a required course for graduation.**

Prerequisite: 8th grade math or Pre-Algebra

Geometry - (1.0 CREDIT)**Grades 10-11**

Full-year course. Students will explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Students will identify criteria for congruence and similarity of triangles and use these criteria to solve problems. Students will use the coordinate plane system to look at the properties of parallel and perpendicular lines and transformations. Probability and statistics are also covered. Students enrolled in this course will gain knowledge of material in the math portion of the ACT.

Prerequisite: Algebra I

#Algebra II - (1.0 CREDIT)**Grades 11-12**

Full-year course. This course is designed to build on algebraic and geometric concepts. It develops advanced algebra skills such as systems of equations, advanced polynomials, imaginary and complex numbers, quadratics, and concepts and includes the study of trigonometric functions. It also introduces matrices and their properties. The content of this course is important for students' success on the ACT and other college placement tests.

Prerequisite: Algebra I (strongly recommended B- or higher in both semesters)

Consumer Math - (1.0 CREDIT)**Grades 11-12**

Full-year course. Students taking consumer math will utilize basic math skills learned from past courses and apply these skills to real-life situations, from math in their personal lives, to math in their future careers. Consumer math will prepare students to be intelligent consumers in today's society. Topics will include personal finance, housing, transportation, taxes, insurance, investments, purchasing, and budgeting.

#Dual Credit Intermediate Algebra NCMC MT 110 - (0.5 HS CREDIT/3.0 College Credit)**Grade 12**

Semester Course. MT 110 is for college-bound seniors who meet NCMC's enrollment requirements. Student learning objectives include: basic algebra fundamentals, linear equations, linear inequalities, linear functions and their graphs, systems of equations and inequalities, operations with polynomial functions and factoring, quadratic equations and functions and their graphs, operations with rational expressions, and radical equations. This course will use algebra to model and solve real-world problems.

Prerequisite: Successful completion of Algebra I, Geometry, and Algebra II

Dual Credit College Algebra NCMC MT 122 - (0.5 HS CREDIT/3.0 College Credit)**Grade 12**

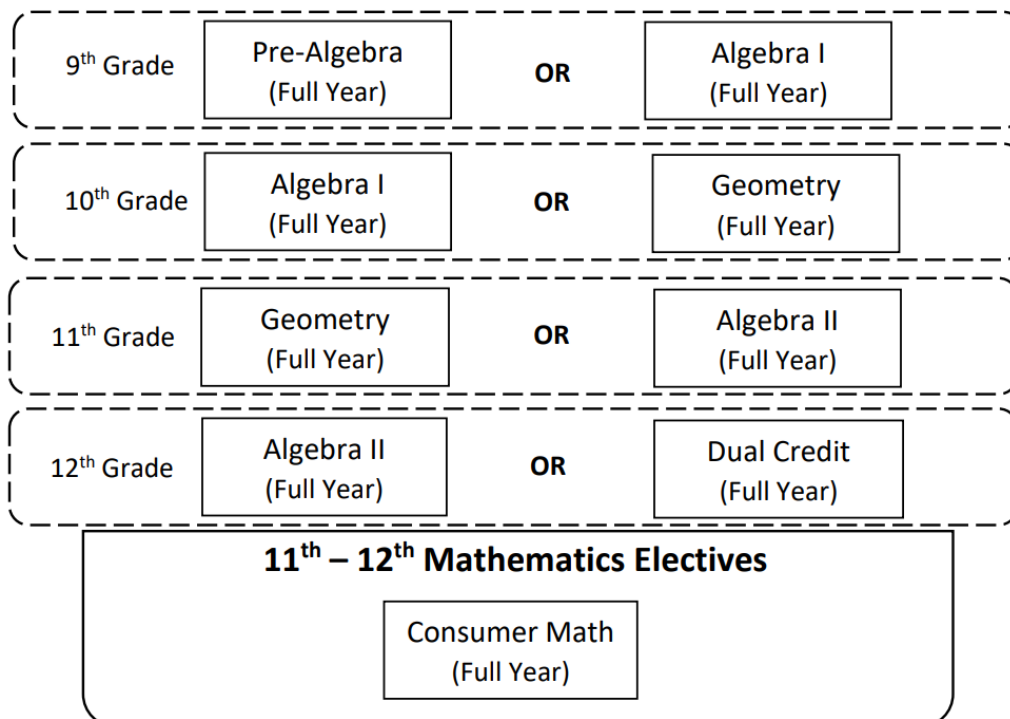
Semester Course. MT 122 is for college-bound seniors who meet NCMC's enrollment requirements. Student learning outcomes include: graphing, analyzing, and solving linear, quadratic, polynomial, rational, logarithmic and exponential functions and equations, solving systems of equations and inequalities, matrices, and other topics as time permits.

Prerequisite: Successful completion of Geometry and Algebra II

Mathematics

3 Credits Required for Graduation

4 Credits strongly recommended for attending a college or university.



Social Studies

3 Credits Required

Passing U.S. and Missouri Constitution Exams and American Civics Exam Required

American History II: Reconstruction to Present - (1.0 CREDIT) Grade 9

Full-year course. American History II is the freshman level course. This course focuses on the time span from Reconstruction to the 21st Century of American History. This class will explore the events of our country's past and observe the consequences of those events. Students will gain life skills through the assistance of group projects, working with primary sources, class assignments, and individual presentations. This course meets the graduation requirement of 1.0 credit of American History. **This is a required course for graduation.**

World History - (1.0 Credit) Grade 10

Full-year course. World History is a sophomore level course. This course stresses the major historical concepts and their contributions to the development of traditions and foundations of world heritage. This class is designed to help students gain skills in note-taking, working with primary sources, creating projects, and cooperating in group assignments. **This is a required course for graduation.**

American Government - (1.0 CREDIT) Grade 11

Full-year course. American Government is a junior level course. This is a challenging course that is EOC tested. This course will explore the foundations of Democracy and the role of the citizen in government. This class will focus on the U.S. Constitution, the duties of the Federal and State government, and historic Supreme Court cases. Students will develop note-taking skills, work with primary sources, and gain social skills by participating in class discussions, group projects and presentations. Students will take the U.S. Constitution and Missouri Constitution tests, the Citizenship exam, and the EOC exam which are requirements to graduate. **This is a required course for graduation.**

Psychology - (0.5 CREDIT) Grades 11-12

Semester Course. This course deals with basic facts and principles of human behavior, providing an understanding of why and how people think and act as they do. Various psychological theories and environmental influences are studied. **Elective for 11-12 grade.**

Contemporary Issues - (0.5 CREDIT) Grades 11-12

Semester Course. This course is designed to enlighten students about world events affecting their lives. This course uses newspapers and newsmagazines, cartoons, and newscasts to support class discussion. Additionally students participate in group projects, presentations, and work with primary source materials and opinion pieces in order to better understand the world around them. **Elective for 11-12 grade.**

World Geography - (0.5 CREDIT) Grades 11-12

Semester course. This course is dedicated to the study of the world around us. The class will explore different people, places, and environments from a physical and cultural perspective. Students will discover how geography plays a role in the culture, development, and politics of different countries through a variety of classroom activities. **Elective for 11-12 grade.**

American Civil War - (0.5 CREDIT) Grades 11-12

Semester course. This course will explore the history of the American Civil War era. The class will study conflicts throughout American history that lead to the rise of the Civil War all the way through the events of the Reconstruction era. Students will participate in class discussions, group activities, and individual presentations. **Elective for 11-12 grade.**

Contemporary History: 20th Century History - (0.5 CREDIT) Grades 11-12

Semester course. The focus of this course is to broaden the student's understanding of the relationship between the United States and the world during the period of time from 1914 to the present. Students will closely examine the events of World War I, The Great Depression, World War II, and the Civil Rights Movement. **Elective for 11-12 grade.**

#Dual Credit National Government NCMC-PL 216 - (0.5 HS CREDIT/3.0 College Credit)**Grades 11-12**

Semester course. A basic introductory course to acquaint the student with the workings of the national government and the political system which bolsters it. Emphasis is placed on governmental structure, using the historical approach to answer the questions as to why the United States system has developed in the manner it has. The Constitution is dealt with in detail as the source of governmental power. Social and Behavioral Sciences credit. Civics credit (meets the Constitution requirement).

Prerequisite: Appropriate placement score or successful completion of EN101.

#Dual Credit General Sociology NCMC-SO107 - (0.5 HS CREDIT/3.0 College Credit)**Grades 11-12**

Semester course. A survey course concerned with the study of human relationships in groups and of the structures and organizations that develop within human society. Emphasis is placed on various social phenomena and the theories which attempt to explain them.

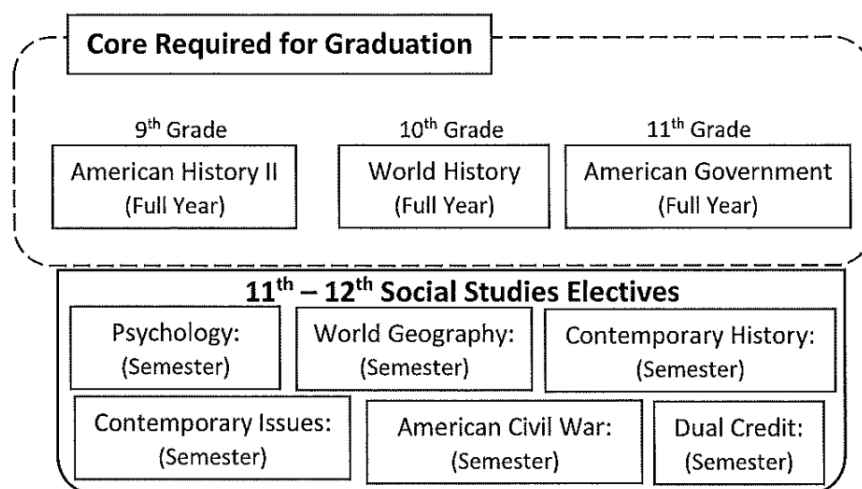
#Dual Credit American History to 1877 NCMC-HI103 - (0.5 HS CREDIT/ 3.0 College Credit)**Grades 11-12**

Semester course. A survey course of the history of the United States covering European backgrounds, the colonial and Constitution periods, national expansion and development through Reconstruction.

Prerequisite: Appropriate placement score or successful completion of EN101

Social Studies

3 Credits Required for Graduation



Science

3 Credits Required

Physical Science - (1.0 CREDIT)

Grade 9

Full-year course. Physical Science is a freshman level course. This course is an introduction to physics and chemistry. During the year this class will cover properties of matter, atomic structure, Periodic Table, chemical bonding, chemical interactions, chemical solutions, plus force and motion. If there is time, we will study energy. Students will need to have a science notebook along with their Chromebook everyday. We will have a test after each chapter, a semester test and a test at the end of the year. **This is a required course for graduation.**

Biology - (1.0 CREDIT)

Grade 10

Full-year course. Biology is a sophomore level course. This is a challenging course that is EOC tested. This course will cover the world of life, genetics, evolution, ecology and scientific inquiry. We will be working on science terms, having labs and critical thinking. Students will need to have a science notebook along with their Chromebook everyday. We will have a test after each chapter, a semester test and a test at the end of the year. **This is a required course for graduation.**

Prerequisite: Physical Science

Earth Science - (1.0 CREDIT)**Grades 11-12**

Full-year course. This course starts with studying about the environment, geology and climate for the state of Missouri. Class will study what Earth Science is, Topographic maps, Earth's minerals & mining, rocks, Earth's energy, volcanoes, earthquakes, weathering, erosion, dinosaurs and more. Students will need to have a science notebook along with their Chromebook everyday. Students will be writing essays, drawing pictures or making a 3D project. There will also be worksheets done with this class for a grade. **This class will have a fee \$10.00 per student lab fee.**

Prerequisite: Physical Science and Biology

Forensic Science - (1.0 CREDIT)**Grades 11-12**

Full-year course. This course will be covering many areas of Forensic Science: History of forensic science, how to collect evidence, process evidence, fingerprinting, going to courthouse, police station, solving crimes and making a crime setting. Students will need to have a science notebook along with their Chromebook everyday. This class will have worksheets, hands on activities, and tests. **This class will have a fee \$10.00 per student lab fee.**

Prerequisite: Physical Science, Biology, and Algebra I

Chemistry - (1.0 CREDIT)**Grades 11-12**

Full-year course. This course will include many topics: Periodic Table, matter & energy, compounds, chemical reactions & equations, kinetic theory of matter, behavior of gas & more. Students will need to have a science notebook along with their Chromebook everyday. This class will have worksheets, hands on activities, and tests. **This class will have a fee \$10.00 per student lab fee.**

Prerequisite: Physical Science, Biology, Algebra 1 (strongly recommended B- or higher in both semesters).

Environmental Science - (1.0 CREDIT)**Grades 11-12**

Full-year course. This course will include the environment and how we can make good choices for the future. Students will need to have a science notebook along with their Chromebook everyday. This class will have worksheets, hands on activities, and tests. This class will have a fee \$10.00 per student lab fee.

Prerequisite: Physical Science, Biology, Algebra 1

Dual Credit General Biology NCMC-BI100 - (0.5 HS CREDIT/ 5.0 College Credit)**Grades 11-12**

Semester course. This course focuses on the general principles of biology, including ecology, cell biology, biochemistry, genetics, microbiology, botany, and zoology. Structure, function and life application are stressed as components of each unit of study. Natural Sciences credit; consult transfer catalog for specific program biology requirements. Lecture and laboratory.

Prerequisite: EN101W and DS049 or appropriate placement test scores.

Dual Credit Human Anatomy NCMC-BI240 - (0.5 HS CREDIT/ 4.0 College Credit)**Grades 11-12**

Semester course. This course is a study of the structure of the cells and tissues of the human integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Lecture and laboratory.

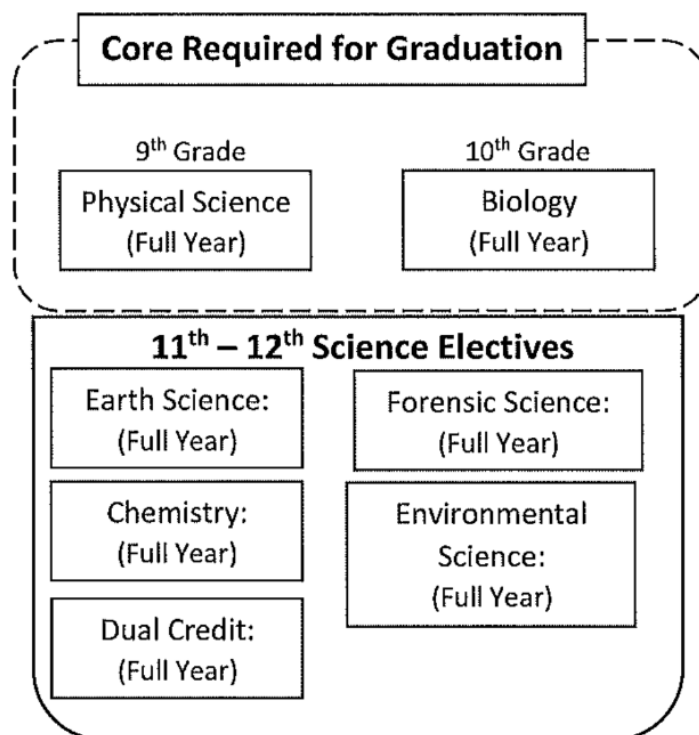
Dual Credit Human Physiology NCMC-BI242 - (0.5 HS CREDIT/ 4.0 College Credit)**Grades 11-12**

Semester course. This course is a study of the function including homeostatic mechanisms of the chemicals, cells, and tissues of the human integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary, and reproductive systems. Not open to students who have successfully completed BI238. Lecture and laboratory.

Prerequisite: BI240 with a minimum grade of "C".

Science

3 Credits Required for Graduation



Fine Arts

1 Credit Required

Music - (1.0 CREDIT)

Grades 9-12

Full-year course. This course gives students the opportunity to learn an instrument, or vocal music, and includes ear training, theory, and basic music history. Students are expected to perform in Winter, Veterans, and Spring concerts, and possibly Spring Contests. Individual as well as group participation is encouraged. **This course is hands-on/performance based and is encouraged to be repeated for credit to sharpen performance skills.**

Music Appreciation - (0.5 CREDIT)

Grades 10-12

Semester course.

This course may also be taken as a music critic on a case by case basis with approval of the instructor. The criteria for this is a newcomer who has little to no music experience or only took music theory vs. applied music. This will be independent study and will be expected to do more written work and practice critiques. Student critics will also be expected to attend concerts either as stage helpers or to document/critique performances. Depending on the direction of the student after high school and their interest in music, more theory can be explored to prepare them for college level music appreciation.

Art I - (1.0 CREDIT)

Grades 9-12

Full-year course. This is the introductory and foundation art course. It is designed to develop basic art skills, an appreciation for art and a student's own creativity. It includes art history, vocabulary, art elements, and principles, aesthetics and exploration of a variety of techniques used in 2 and 3-dimensional art media. These include drawing in a variety of mediums, design, basic sculpture, and painting.

Drawing I - (0.5 CREDIT)

Grades 10-12

Semester course. Students will learn basic drawing techniques to improve their observational and technical skills in realistic drawing. Art elements and design principles will be incorporated in 2-dimensional compositions using a variety of drawing media such as pencil, pen, charcoal, oil and chalk pastel, and colored pencil.

Prerequisite: Art I, \$10 fee

Painting I - (0.5 CREDIT)

Grades 10-12

Semester course. This class is designed for the beginning painter and will focus on building skills in various painting media. Exercises, color studies, class discussion, examination of masterworks and exploration of basic techniques will allow the students to apply the art elements and principles of design in a variety of 2 dimensional compositions using tempera, watercolor, acrylic and oil.

Prerequisite: Art I & Drawing I recommended \$25 fee

Ceramics I - (0.5 CREDIT)**Grades 10-12**

Semester course. This course is designed to give students a historical overview and practical experience in the major hand building techniques used in ceramic production. Students will apply 3-dimensional processes to communicate ideas and solve visual problems in a variety of functional, decorative, and sculptural projects.

Prerequisite: Art I & Drawing I recommended \$25 fee

Health/Physical Education

1.5 Credits Required
Passing CPR and Heimlich Required

The number of physical education classes a student may take is limited (this does not include health class). Freshmen and sophomores can only take one physical education class per year. Juniors and seniors can take two physical education classes only if they are enrolled in four core classes.

Health - (0.5 CREDIT)**Grade 10**

Semester course. This is a sophomore level course. Through the health education program, students are provided with learning activities which help them acquire accurate knowledge, develop positive attitudes and practice essential skills. Enhancement of self-esteem and understanding factors which influence behavior are also important program components. All these items will assist and encourage the student toward personal choices which lead to a life of healthful decisions and behaviors. The state-required CPR and Heimlich (or other life-saving technique) training which are now required for graduation will be completed. **This is a required course for graduation.**

Physical Education 9 - (1.0 CREDIT)**Grade 9**

Full-year course. This is a freshman level course. This course is a general physical education class, with the focus on developing physical fitness through active participation in team sports, individual sports, recreational sports, and physical fitness activities. Students will acquire a background of the skills and rules involved in a wide range of activities that they may use throughout their lifetime. Special emphasis is placed on participation in the Presidential Physical Fitness award program, as the 9th Grade scores are submitted to the state. **This is a required course for graduation.**

High School Physical Education - (0.5 CREDIT)**Grades 10-12**

Semester course. This course is a general physical education class, with the focus on developing physical fitness through active participation in team sports, individual sports, recreational sports, and physical fitness activities. Students will acquire a background of the skills and rules involved in a wide range of activities that they may use throughout their lifetime. **This course may be repeated for credit. Elective for 10-12 grade.**

Lifetime Sports and Recreation - (0.5 CREDIT)**Grades 10-12**

Semester course. Sports and Recreation focuses upon rules, etiquette, and skill technique for a variety of sports and recreational activities. Lifetime Fitness equips students with the skills they need to achieve lifetime fitness. Students will experience the connection between personal health and regular physical activity. Example units: fishing, archery, hunting, racquetball, tennis, paddleball, pickleball, bowling, golf, cards, corn hole, eGames, etc... **This course may be repeated for credit. Elective for 10-12 grade.**

Body Conditioning - (0.5 CREDIT)**Grades 10-12**

Semester course. Exploring fitness topics such as safe exercise and injury prevention, nutrition and weight management, consumer product evaluation, and stress management. Throughout this course, students assess individual fitness levels according to the five components of physical fitness: cardiovascular health, muscular strength, muscular endurance, flexibility, and body composition to encourage students to design fitness programs to meet their individual fitness goals. Students will be required to dress out and participate. **This course can be repeated for credit. Elective for 10-12 grade.**

Practical Arts

1.5 Credits Required

Family and Consumer Sciences

Foods I - (1.0 CREDIT)**Grades 9-12**

Full-year course. This course prepares individuals to use the scientific method to study the biological and chemical basis for food preparation, processing, preservation, and fermentation. Students develop laboratory, writing, and reasoning skills through measuring, recording, and graphic data; writing laboratory and short research projects; and predicting and evaluating laboratory results. This course is an introductory level cooking class and open to all high school students. **Elective course.**

International Foods - (0.5 CREDIT)**Grades 10-12**

Semester course. This course, while focusing on proper food preparation and procedures, introduces the student to international and ethnic specific cuisines. It includes instructions on the psychological, cultural, and social influences on food choices in world cuisine. Availability of foods due to food production, food supply, legislation and regulations are discussed. This is an advanced level course. **Prerequisite: Foods I (may be waived on a case by case basis).** **Elective course.**

Child Development - (0.5 CREDIT)**Grades 10-12**

Semester course. This course focuses on the intellectual, social, emotional, and biological development of children. It includes instruction in parent-child relations, parenting practices, special needs of children, parental and environmental influences on child development, external support services, and related public policy issues. This course is open to all high school students. It is offered every other year. **Elective course.**

Family/Consumer Living - (0.5 CREDIT)**Grades 10-12**

Semester course. This course prepares individuals to understand the values, needs, wants, goals, and resources that enable youths and adults to make rational decisions that contribute to family stability and quality of life. It includes instruction in budgeting and spending plans, use of credit, savings, investments, taxes, consumer buying, and consumer rights and responsibilities. This course is open to all high school students. It is offered every other year. **Elective course.**

Housing Environments and Design - (0.5 CREDIT)**Grades 10-12**

Semester course. This course introduces students to the behavioral, social, economic, functional, and aesthetic aspects of housing, interiors, and other built environments. The course includes instruction in analyzing, planning, designing, furnishing, and equipping residential, work, and leisure spaces to meet user needs and the study of related public policies. This course is open to all high school students and is offered every other year. **Elective course.**

Apparel and Fashion - (0.5 CREDIT)**Grades 10-12**

Semester course. In this course students will obtain a foundation in the knowledge needed for more advanced studies of fashion apparel, textiles or interior design. Students will cover the basics of the physical, psychological, social and cultural reasons for how we dress and where we live, the elements and principles of design, textiles, fabric construction and selection for apparel and home use, introductory sewing skills that are applied in a variety of samples and apparel or home goods projects. Self-initiative, motivation, time management, planning, independent work, following directions and evaluating are crucial skills in this course where art, communication, mathematics, science and technology are applied. This course is open to all high school students and is offered every other year. **Elective course.**

Business/Technology Courses

Computer Applications - (1.0 CREDIT)**Grade 9**

Full-year course. This is a freshman level course. It is designed to help students master beginning and advanced skills in the areas of word processing, database management, spreadsheet applications, desktop publishing, multimedia, Internet usage and integrated software applications. **This is a required course for graduation.**

Graphic Arts/Desktop Publishing - (1.0 CREDIT)**Grades 10-12**

Full-year course. Students develop proficiency in using graphic arts/desktop publishing software to create a variety of business publications such as flyers, brochures, newsletters, etc. This class is responsible for taking school pictures and creating the annual yearbook. Students will be required to attend school activities to photograph the events during and outside the normal school day. **This course may be repeated for credit. Elective course.**

Prerequisite: Computer Applications.

Entrepreneurship - (0.5 CREDIT)**Grades 11-12**

Semester course. This course is designed to provide students with the fundamental knowledge needed for organizing, developing and implementing a business within the private free enterprise system. Topics of study will include learning the advantages and disadvantages of owning a business, preparing a business plan, choosing a location, securing a loan, determining organizational structure and promoting a business. **This course may be repeated for credit. Elective course.**

Personal Finance - (0.5 CREDIT)**Grades 12**

Semester course. This course presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. **This is a required course for graduation.**

North Central Career Center

Students enrolled in technical skills courses may be eligible for articulation through North Central Missouri College at Trenton, Missouri or other community colleges. One year of college credit toward a 2-year Associate Degree may be earned if the student successfully completes the program at NCMC or other participating schools, within a certain required time, is enrolled in specific courses while in high school, maintains a satisfactory grade point average, and meets other requirements.

Auto Body Repair I & II - (3.0 CREDIT)**Grades 11-12**

2-year program. The Auto Collision Repair and Refinish program will prepare students to perform repairs on vehicles that have collision damage. This two-year program covers repairing panels, replacing panels, and refinishing the repaired areas. Students will also gain hands-on experience with fiberglass repairs and minor and major frame damage, estimating, and detailing, by working with the latest repair, frame and refinishing equipment.

Auto Technology I & II - (3.0 CREDIT)**Grades 11-12**

2-year program. The student completes hands-on work as follows: internal combustion engine, gas and diesel fuel systems; electrical and computer systems; automotive electronics; tune-up/special testing procedures; brake system/disc and band; manual transmission and driveline repair; automatic transmission repair; steering and suspension system; 4-wheel alignment; parts and nomenclature and flat-rate schedule; and heating and air conditioning.

Construction Technology I & II - (3.0 CREDIT)**Grades 11-12**

2-year program. An instructional program that prepares individuals to apply technical knowledge and skills to lay out, fabricate, erect, install, and repair wooden structures and fix common systems of framing, construction materials, estimating, blueprint reading and finish carpentry techniques.

Early Childhood Careers - (3.0 CREDIT)**Grades 11-12**

2-year program. This program is open for all students who are interested in working with young children in both the elementary school classroom and day care/preschool setting. The curriculum involves both classroom and hands-on experience working with infants, toddlers, preschoolers, and school-age children. The program provides students with the coursework and preschool lab hours to earn a Child Development Associate (CDA) Certificate to teach preschool classes. Students may be eligible to earn 9 college credit hours through NCCC with successful completion of two years in the Child Care Career class.

Health Occupations - (3.0 CREDIT)**Grades 11-12**

2-year program. Students will study the anatomy and physiology of the human body. They will spend time in clinical observation and learn basic nursing skills. They will use their skills too while visiting the clinical rotation sites.

Welding I & II - (3.0 CREDIT)**Grades 11-12**

2-year program. In this course, we will learn and master every process offered at our facility. Anything from low carbon steel, cast iron, aluminum, and stainless steel will be welded/cut with the process previously listed. 80% of the time will be spent in our shop and 20% will be spent either in the class room or computer lab.

Other Electives For Credit

12 Credits Required

*Elective credits can come from any of the previous subject areas. Foreign Language-No credits required for diploma; 2 credits of same language strongly encouraged for college preparation.

ACT PREP - (1/2 CREDIT)**Grades 11-12**

Semester course. This course is designed to improve test taking skills in the four subject areas of the ACT. Practice tests are an integral part of the course. Strongly recommended for all students who will take the ACT.

CADET TEACHING - (1 CREDIT)**Grade 12**

Full-year course. Cadet teaching is a program designed to create a learning experience for high school students interested in the field of education. A+ student may assist teachers in order to help younger students and to gain mentoring hours required by the A+ program. Seniors only may participate in this program. Students can be enrolled in only one block of Cadet Teaching per semester. Prerequisite: Excellent attendance record.

Spanish I - (0.5 CREDIT)**Grades 11-12**

Semester course. Students begin their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each Unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. **Elective course.**

#Spanish II - (0.5 CREDIT)**Grades 11-12**

Semester course. Students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each Unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major Spanish-speaking areas in Europe and the Americas. **Elective course.**

Prerequisite: Spanish I

Student Support Services - (1.0 CREDIT)**Grades 9-12**

Full-year course. Eligible students may receive 1.0 credits during Student Support Services required by their Individual Education Plan (IEP), or other individualized program. Prior approval is necessary for this elective course option.

School Flex Program - (1.0 CREDIT)**Grade 12**

Semester course. This course explores the world of work and the pre-employment skills needed to succeed. The student and parent must sign a contract and liability release. The student will be required to find their own job for this experience. Students must average 10 hours of employment per week to earn 1 hour of credit. The STW coordinator will visit the work site at least once each quarter. **Course eligibility: Cumulative attendance of 95%, GPA 3.0, and Principal, Counselor, and Parent approval.**