

# Course Descriptions by Department

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## Alternative Courses

### INDEPENDENT STUDY SKILLS

Grade 9-12 Credit 1 unit

**PREREQUISITE:** Students must have an IEP

**COURSE DESCRIPTION:** This course is designed for the student to improve classroom study skills. Students will be expected to use a planner and use class time to work on assignments.

### ALTERNATE CAREER EXPLORATION

Grade 10-12 Credit 1 unit

**PREREQUISITE:** Students must have an IEP

**COURSE DESCRIPTION:** Career exploration provides the student with the opportunity to explore various careers within the physical setting of the Worth County R-III School, Head Start or the Worth County Convalescent Center. The student will be assigned by the teacher and the supervisor and teacher will evaluate the student on the following: attendance, attitude, initiative, appearance, work ethic, work performance, personal standards and work quality

## Communication Arts

### COLLEGE PREP ENGLISH

Grade: 12 Credit: 1 unit

**PREREQUISITE:** Teacher approval, B- average in previous English courses.

**COURSE DESCRIPTION:** This course is designed to equip the college bound high school senior with the necessary vocabulary, writing, and literacy skills to analyze, process, and respond appropriately and intelligently to various writing prompts and literary works. This course is designed to prepare students for the transition between high school and college course work.

### ENGLISH II

Grade: 10 Credit: 1 unit

**PREREQUISITE:** Successfully complete at least one semester of English I, teacher approval.

**COURSE DESCRIPTION:** This sophomore level course will integrate all the English Language Arts skills—writing, grammar, reading, speaking and listening. English II students will explore and apply the writing process, and grammar usage and mechanics. In addition to this, students will continue to build vocabulary skills through Daily Oral Language and literature activities. As a part of the course work, students will read and study various components of literature and write a formal research paper using MLA format.

### PRACTICAL ENGLISH

Grade: 11 & 12 Credit: 1 unit

**PREREQUISITE:** Successfully complete at least one semester of English II, teacher approved.

**COURSE DESCRIPTION:** Practical English is an upper level English Language Arts course designed to build upon the foundational elements of English I & II. Specifically, students will be refining basic skills through grammar practice, vocabulary word skills, literature studies and the practical application of English Language Arts skills used in daily life.

## **SPEECH FUNDAMENTALS**

Grade: 11 & 12 Credit: 1 unit

**PREREQUISITE:** Successfully complete at least one semester of English II, teacher approved.

**COURSE DESCRIPTION:** This course is designed to build upon the foundational elements of English I & II, specifically on written and oral communication skills. Students will gain a working knowledge of how to develop, organize, and plan for a wide variety of written communication and public speaking opportunities.

## **ENGLISH I**

Grade: 9 Credit: 1 unit

**PREREQUISITE:** Required Course

**COURSE DESCRIPTION:** This course is designed for students to develop and apply skills and strategies to comprehend, analyze, and evaluate both fiction/nonfiction from a variety of cultures and historical time periods. Students will also develop skills necessary to effectively compose a variety of writing formats including literary analysis, reflective writing, narrative/descriptive/expository/persuasive essays as well as continue developing research skills. Grammar and vocabulary will also be reviewed as needed.

## **AMERICAN LITERATURE**

Grade: 11, 12 Credit: 1 unit

**PREREQUISITE:** Successful completion of English I & II. B average in prior English courses recommended. American Lit. is a college prep course.

**COURSE DESCRIPTION:** This course provides students with an opportunity for an in depth chronological study of American literature. Students actively analyze pieces of literature and complete essays, papers, and multi-media presentations in conjunction with literature studied.

## **CONTEMPORARY AMERICAN LITERATURE**

Grade: 10, 11, 12 Credit: 1 unit

**PREREQUISITE:** Completion of English I. Sophomores interested in enrolling in the course will need teacher approval.

**COURSE DESCRIPTION:** This course will be a continuation of the study of American writers and their works from 1950 to present with an emphasis on contemporary novels, short stories, poetry, and plays. Students will actively analyze works read in a variety of forms including reading groups, essays, and multi-media presentations.

## **DL SPEECH**

Grade 11-12

**PREREQUISITE:** English II with a B- or higher and a signed behavior contract

**COURSE DESCRIPTION:** This course is offered through the ITV room. Students are expected to complete first semester with high school curriculum and second semester as dual credit with college curriculum. Students must have self discipline.

## **BUSINESS COMMUNICATIONS ENGLISH (YEARBOOK)**

Grade: 9-12 Credit: 1 unit

**PREREQUISITE:** None

Class Limit:

**COURSE DESCRIPTION:** This course is designed to help students develop communication skills through the use of desktop publishing and professional publishing materials. Students will design, construct, and market the school yearbook. Digital photography and graphic design skills will be utilized. Areas of marketing, public relations, graphics/artwork, money management, word processing, and data processing will be included in course content. Students are REQUIRED to market yearbooks, collect sponsorships, and attend several extracurricular school activities in conjunction with this course.

## **Fine Arts**

## **Art \* Instrument Music \* Vocal Music**

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### **ART**

#### **ART I**

Grade: 9-12 Credit: 1 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** This course is an introduction to Art with emphasis on elements and principles; and a better understanding of how artists use these elements and principles.

## **ART II**

Grade: 10-12 Credit: 1 unit

**PREREQUISITE:** Art I

**COURSE DESCRIPTION:** This course is as advanced level of art where most of the work is carried out the students themselves and research in the area they are working will be conducted.

## **DRAWING AND PAINTING**

Grade: 10-12 Credit: 1 unit

**PREREQUISITE:** Art I

**COURSE DESCRIPTION:** This course is designed to explore different areas of drawing and painting. It will explore a more in depth study of value, media and surface. Students will need to supply their own brushes and canvas.

## **ART FOR THE 21ST CENTURY**

Grade: 10-12 Credit: 1 unit

**PREREQUISITE:** Art I

**COURSE DESCRIPTION:** This course is designed to allow high school students the ability to have an appreciation of modern art. Students will explore art, craft, and art in everyday living.

## **INSTRUMENTAL MUSIC**

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### **INSTRUMENTAL MUSIC**

Grade: 8-12 Credit: 1 unit

**PREREQUISITE:** Prior membership in band in grades 5-7 or with teacher approval

**COURSE DESCRIPTION:** This course is intended to make students familiar with the art of instrumental music. It will stress the technique of producing a pleasing tone, with correct rhythms, dynamics, and articulations. Students will be exposed to the technique of reading music, rehearsal techniques, and music symbols as well as obtaining a knowledge of composition and composers of different musical periods.

### **APPLIED INSTRUMENTAL MUSIC**

Grade: 9-12 Credit: 1 unit

**PREREQUISITE:** Current membership in the high school band is required.

**COURSE DESCRIPTION:** This course is intended to give the students a more advanced opportunity to develop the skills learned in instrumental music. They will learn the art of practicing and will work on more advanced skills. The students will also be given the opportunity to learn techniques in leadership in music as well as teamwork in problem solving. Guidance is constantly provided by the instructor, but students are expected to develop their own skills in working out problems and finding solutions as individuals and as a group.

## **VOCAL MUSIC**

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### **MUSIC APPRECIATION (FORMERLY FUNDAMENTALS OF VOCAL)**

Grade: 9-12 Credit: 1 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** This course is designed to give the student the knowledge and opportunity to understand and advance their experience in vocal music. Successful participation in this co-curricular course for one year satisfies the Fine Arts requirement for high school students. This class is open to students who are interested in expanding his or her grasp of music fundamentals and music history.

### **APPLIED VOCAL MUSIC**

Grade: 9-12 Credit: 1 unit

**PREREQUISITE:** Teacher approval

**COURSE DESCRIPTION:** Applied Vocal Music will be offered to the extremely discriminating student who desires to excel in vocal music above and beyond what is capable in the ordinary choral experience. Students taking this course must be exceedingly self-motivated as most of the study will be independent and the student will have to rely upon himself to attend to the critical details of performance. The curriculum of student and objectives will be set individually based upon what area of vocal music the student wishes to engage.

## **CONCERT CHOIR**

Grade: 9-12 Credit: 1 unit

**PREREQUISITE:** Teacher approval

**COURSE DESCRIPTION:** Concert Choir is a full-year course designed to give the student the knowledge and opportunity to understand and advance their experience in vocal music. These objectives will be accomplished through enhancing the vocal production and ability of singers by developing a clear vocal tone, blend and balance within three or more vocal parts. This group will also develop vocal strength, tonality, and a clear concept of singing for the styles of music involved in the mixed ensemble repertoire while enhancing the voice so that it may also be able to produce within an all male or all female group. Concert Choir will also deal with the beginning level of music theory, music reading, sight-singing, as well as be performers of various music styles.

Concert Choir is a co-curricular class, meaning it requires involvement outside of the scheduled class time. Concerts and other events are an extension of the classroom and attendance is required. Successful participation in this co-curricular course for one year satisfies the Fine Arts requirement for high school students.

## **Mathematics**

### **PRE-ALGEBRA**

Grade: 9 Credit: 1 unit

**PREREQUISITE:** 8th grade math

**COURSE DESCRIPTIONS:** This course is designed to solidify the basic fundamentals of early algebra, organize their thoughts to solve mathematics problems that they will meet in everyday life, as well as prepare the students for a future of more rigorous math classes.

### **ALGEBRA I**

Grade: 8-9 Credit: 1 unit

**PREREQUISITE:** 8th grade math and/or teacher recommendation

**COURSE DESCRIPTION:** Designed for the average and above average math student to help organize thoughts to solve mathematics problems they will meet in everyday life. It will also prepare a student for continued studies in the area of mathematics.

### **GEOMETRY**

Grade: 10-12 Credit: 1 unit

**PREREQUISITE:** Algebra I with C- or higher or Fundamentals of Algebra with C- or higher and Teacher Approval

**COURSE DESCRIPTION:** This is a course for the average or above average mathematics student. The course is designed to teach the student practical applications of Geometry. Formal proofs are used throughout the year to develop logical reasoning patterns. Algebraic skills are reviewed and strengthened through applications of solving problems in using properties in Geometry.

### **ALGEBRA II**

Grade: 11-12 Credit: 1 unit

**PREREQUISITE:** Algebra I and Geometry with a C- or higher or Fundamentals of Geometry with a C- or higher and Teacher Approval

**COURSE DESCRIPTION:** 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 are important for students' success on both the ACT and EOC exams.

### **FUNDAMENTALS OF GEOMETRY**

Grade: 10-11 Credit: 1 unit

**PREREQUISITE:** Algebra I with C- or higher or Fundamentals of Algebra with C- or higher

**COURSE DESCRIPTION:** This course is designed to emphasize the study of the properties and applications of common geometric figures in two and three dimensions. It includes the study of transformations and right triangle trigonometry. Inductive and deductive thinking skills are used in problem solving situations, and applications to the real world are stressed. It also emphasizes writing proofs to solve (prove) properties of geometric figures.

## **FUNDAMENTALS OF ALGEBRA**

Grade: 10 Credit: 1 unit

**PREREQUISITE:** Pre-Algebra with C- or higher

**COURSE DESCRIPTION:** This course is designed to emphasize the study of multiple representations of linear and non-linear functions. It includes mathematical concepts for working with rational numbers, various expressions, analyzing and solving linear equations & inequalities, data analysis, probability, statistics, and polynomials. Students will use hands-on materials and calculators when needed in solving problems where the algebra concepts are applied.

## **TRIGONOMETRY**

Grade: 12 Credit  $\frac{1}{2}$  unit

**PREREQUISITE:** Algebra II with a C+ average or recommendation from teacher (Dual Credit needs ACT Math subtest score of 23)

**COURSE DESCRIPTION:** Trigonometry is a semester long class designed for the college bound student. Objectives include: periodic functions, unit circle functions, trigonometric formulas, inverse function, trigonometric equations, special angle values, graphs of trigonometric functions and non right triangle relationships.

## **PRE-CALCULUS**

Grade: 12 Credit  $\frac{1}{2}$  unit

**PREREQUISITE:** College Algebra

**COURSE DESCRIPTION:** Pre-Calculus is a class designed for the college bound student. The class reviews topics necessary for the success in college calculus as well as new topics of conic sections and their applications, sequences and series, and limits.

## **ELEMENTARY STATISTICS**

Grade: 12 Credit  $\frac{1}{2}$  unit

**PREREQUISITE:** Algebra II with a C- average or recommendation from teacher (Dual Credit needs ACT math subtest score of 23)

**COURSE DESCRIPTION:** Elementary Statistics topics include: the nature of probability and statistics, frequency distributions and related graphs, measures of central tendency, variation and position, probability, probability distributions, binomial distributions, normal distributions, confidence intervals, hypothesis testing, and correlations and regression models with two variables.

## **COLLEGE ALGEBRA**

Grade 12 Credit  $\frac{1}{2}$  unit

**PREREQUISITE:** Algebra II with C+ average (Dual Credit needs an ACT math subtest score of 23)

**COURSE DESCRIPTION:** College Algebra is a semester long class designed for the college bound student. Objectives include: polynomial functions, inequalities, rational functions, exponents, logarithms, matrices, systems of equations and their graphs and applications.

## **OTHER COURSES**

### **TEACHER AIDE**

Grade: 9-12 Credit  $\frac{1}{4}$  unit per semester

**PREREQUISITE:** Self Discipline

**COURSE DESCRIPTION:** This assignment is offered to secondary students who wish to work with a staff member for credit. Good attendance, reliability and the ability to work with little supervision are requirements for this class. The class will be graded on a pass/fail basis. Students who fail will be expected to drop the class.

### **SENIOR SEMINAR**

Grade 12 Credit 1 unit

**PREREQUISITE:** Students who are college bound. Students must have computer and internet access.

**COURSE DESCRIPTION:** Topics include college exploration and applications, scholarship applications, career exploration, financial aid, job searches and related topics, ACT preparation and money management.

## **SPANISH I**

Grade 10-12 Credit 1 unit

**PREREQUISITE:** B- average in English or teacher approval & signed behavior contract for IDL

**COURSE DESCRIPTION:** This course serves as an introduction to the Spanish language and culture. Basic listening, speaking, reading, writing, viewing and presentational skills are developed.

## **SPANISH II**

Grade 11-12 Credit 1 unit

**PREREQUISITE:** Spanish I

**COURSE DESCRIPTION:** The basic skills learned in Spanish 1 are broadened to include more verb tenses and grammatical structures, in addition to a greatly expanded vocabulary. Listening, speaking, reading, writing, viewing and presentational skills are stressed.

## **SPANISH III**

Grade 12 Credit 1 unit

**PREREQUISITE:** Spanish II

**COURSE DESCRIPTION:** The communication skills that deal with topics related to everyday situations and solving daily problems through conversational exchange, are emphasized.

## **Practical Arts**

## **Agriculture \* Business \* Family and Consumer Sciences**

### **Business**

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#### **ACCOUNTING**

Grade: 10-12 Credit: .5 Credit

**PREREQUISITE:** None. Suggested Computer Applications and Entrepreneurship.

**COURSE DESCRIPTION:** This course is designed to build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include using the accounting equation, completing the accounting cycle, entering transactions to journals, posting to ledgers, preparing end-of-period statements and reports, managing payroll systems, completing banking activities, calculating taxes, and performing other related tasks.

#### **BUSINESS LAW**

Grade: 10-12 Credit: .5 Credit

**PREREQUISITE:** None. Suggested Entrepreneurship.

**COURSE DESCRIPTION:** This course is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees through a mixture of personal, business, and consumer law. The content includes the basic characteristics of the American system of free enterprise, rights of private property, basic elements of contracts, employer-employee relations, landlords and tenants, individual rights, wills and estates, family and juvenile justice law, and community property.

#### **BUSINESS TECHNOLOGY (DUAL CREDIT)**

Grade: 11-12 Credit: 1 unit

**PREREQUISITE:** Computer Applications. Suggested to have taken the ACT for dual credit purposes.

**COURSE DESCRIPTION:** This course is designed to help students develop the qualities, knowledge, and skills necessary for working in a business. Students enhance computer application skills as they develop competencies needed by administrative support professionals. The content includes the use of technology to develop communication skills, the production of quality work using advanced features of business software applications, and the production of high quality employment portfolios and job-seeking documents.

#### **COMPUTER APPLICATIONS**

Grade: 9-12 Credit: .5

**PREREQUISITE:** None

**COURSE DESCRIPTION:** This course is designed to help student's master beginning and advanced skills in the areas of word processing, database management, presentation software, spreadsheet applications, desktop publishing, multimedia, Internet usage, and integrated software applications.

## **ENTREPRENEURSHIP**

Grade:9-12 Credit: .5

**PREREQUISITE:** None

**COURSE DESCRIPTION:** This course is designed to provide students with the fundamental knowledge needed for organizing, developing, and implementing a business concern 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.

## **MULTIMEDIA**

Grade: 11-12 Credit: .5

**PREREQUISITE:** Computer Applications. Strongly recommend to take Business Technology.

**COURSE DESCRIPTION:** Students will work with multimedia software to develop electronic presentations. They will learn how to manipulate text, art and graphics, photography, animation, audio, and video for presentations in various media formats. Some of the software applications we will be working with are but not limited to: Adobe Photoshop, Captivate, Microsoft Word, Windows Movie Maker, & Audacity.

## **PERSONAL FINANCE**

Grade: 11-12 Credit: .5

**PREREQUISITE:** None

**COURSE DESCRIPTION:** Financial literacy is essential in meeting the financial challenges of the 21st Century. The competencies which form the basis for this semester course enable students to analyze their personal financial decisions, evaluate the costs and benefits of their decisions, recognize their rights and responsibilities as consumers, and apply the knowledge learned in school to financial situations encountered later in life.

## **WEB DESIGN**

Grade: 11-12 Credit: .5

**PREREQUISITE:** Computer Applications. Strongly recommend to take Multimedia and Business Technology.

**COURSE DESCRIPTION:** This course presents introductions to many of the basic concepts, issues and techniques related to designing, developing and deploying Web sites. During the course, students will learn about web design, HTML, Dreamweaver CS3, and using Adobe Suite CS3 to enhance websites. Students will learn how to create sites both through coding and through the use of web authoring development software.

## **BUSINESS AND COMPUTER CAREER PATH**

**Freshmen:** Computer Apps and Entrepreneurship

**Sophomore:** Accounting and Business Law

**Junior:** Business Technology

**Senior:** Multimedia and Web Design

## **Agriculture**

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### **WILDLIFE CONSERVATION**

Grade: 11-12 Unit: 0.5

**PREREQUISITE:** Ag Science I, Ag Science II

**COURSE DESCRIPTION:** This course prepares students for activities in the conservation and/or improvement of natural resources, fish, and wildlife for economic and recreational purposes.

### **GREENHOUSE OPERATION AND MANAGEMENT**

Grade: 11-12 Unit: 0.5

**PREREQUISITE:** Ag Science I, Ag Science II

**COURSE DESCRIPTION:** This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures such as cuttings, seeds, and layering. Students will manage their own crop as a greenhouse project.

### **AGRICULTURAL STRUCTURES**

Grade: 11-12 Unit: 1

**PREREQUISITE:** Ag Science I, Ag Science II

**COURSE DESCRIPTION:** This course includes instruction in electrical wiring, electric motors, concrete masonry, plumbing and sewage, farm structures and equipment, and metal and/or woods construction.

**AGRICULTURAL POWER**

Grade: 11-12 Unit: 1

**PREREQUISITE:** Ag Science I, Ag Science II

**COURSE DESCRIPTION:** This course develops skills in the maintenance, repair, adjustment, and overhaul of small engines.

**AGRICULTURAL SCIENCE II**

Grade: 10 Unit: 1

**PREREQUISITE:** Ag Science I

**COURSE DESCRIPTION:** A course designed for instruction in plant and crop science, soils, forestry, and meats. Additional instruction is provided in agricultural mechanics, career development, leadership, and S.A.E.

**AGRICULTURAL SCIENCE I**

Grade: 9 Unit: 1

**PREREQUISITE:** None

**COURSE DESCRIPTION:** A course designed for instruction in animal science, agricultural mechanics, career exploration, leadership and personal development, and S.A.E. Units may include agribusiness, food science, and natural resources.

**AGRICULTURAL OCCUPATIONAL EXPERIENCE (AOE)**

Grade: 12 Unit: 1

**PREREQUISITE:** Ag Science I, Ag Science II, Completed an Upper Level Ag Course, Instructor Permission

**COURSE DESCRIPTION:** This course provides for the enrollment of students that are released on school time to complete a cooperative occupational experience in an approved training station in agriculture. A signed training plan and training agreement must be completed for each student.

**LEADERSHIP AND PERSONAL DEVELOPMENT**

Grade: 11-12 Unit: 0.5

**PREREQUISITE:** Ag Science I, Ag Science II

**COURSE DESCRIPTION:** This course will enable students to develop the knowledge, attitudes, and skills to demonstrate positive leadership for agriculture. Areas of focus include public speaking, written communication, goals, teamwork, and organization.

**AGRICULTURAL CONSTRUCTION**

Grade: 11-12 Unit: 1

**PREREQUISITE:** Ag Science I, Ag Science II

**COURSE DESCRIPTION:** This course utilizes welding and welding processes in the development and construction of major metal and woods projects.

**AGRIBUSINESS SALES, MARKETING, AND MANAGEMENT**

Grade: 11-12 Unit: 0.5

**PREREQUISITE:** Ag Science I, Ag Science II

**COURSE DESCRIPTION:** This course includes human relations, personal inventory, careers in selling, and other experiences necessary for employment in agribusiness engaged in marketing, purchasing, storing, grading, and transporting supplies and products.

**ADVANCED LIVESTOCK**

Grade: 11-12 Unit: 0.5

**PREREQUISITE:** Ag Science I, Ag Science II

**COURSE DESCRIPTION:** Advanced study in animal production, management, marketing, nutrition, breeding, production records, selection, animal health, waste management, and biotechnology may be included in this course.



**CHILD DEVELOPMENT**

Grades 10-12 Credit 1/2 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** Students will gain an understanding of children's physical, intellectual, emotional, and social needs thus preparing them for multiple roles of parent, caregiver, and career possibilities. Knowledge of human reproduction, childhood and developmental theorists, and background for growth and development will be explored. Lab experiences with Head Start and Little Tigers Pre-school will help students relate book knowledge with practical applications.

**NUTRITION AND WELLNESS**

Grades 10-12 Credit 1/2 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** This course prepares students to understand the principles of nutrition, the relationship of nutrition to health and well-being; the selection, preparation and care of food; and a study of meal management to meet individual and family food needs.

**CAREER AND FAMILY LEADERSHIP**

Grades 9-11 Credit 1 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** A comprehensive program that describes the general study of family and consumer sciences, including how individuals develop and function in family, work, and community settings and how they relate to physical, social, emotional and intellectual environments. Career exploration and its impact on families is a key component. FCCLA activities and projects are a requirement.

**TD: ENTREPRENEURSHIP EDUCATION/CAREER DEVELOPMENT**

Grades 10-12 Credit 1 unit

**PREREQUISITE:** Teacher approval, strongly recommended 3.0 avg.

**COURSE DESCRIPTION:** A program that introduces individuals to career opportunities in family and consumer sciences-related occupations, which prepares students to communicate effectively, problem solve, and make responsible decisions. Hands on and technology based experiences will be beneficial for future development and career exploration.

**CLOTHING/APPAREL AND TEXTILE**

Grades 10-12 Credit 1/2 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** This course prepares the student to understand the many aspects of clothing and textiles including selection, construction, maintenance, and alteration of clothing and textile products involving the effects of consumer choices on the individual and family as well as the clothing and textile industry.

**Physical Education and Health**

**STRENGTH AND FITNESS**

Grade 9-12 1 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** This course is designed to give the students the opportunity to learn the correct weight training concepts for obtaining optimal physical fitness. Students will learn the basic fundamentals of weight training, strength training, aerobic training and overall fitness training and conditioning. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in fitness, wellness, and movement activity for a lifetime.

**LIFETIME SPORTS**

Grade: 9-12 1 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** This course is designed to give the students a wide variety of sports, games and exercises to promote lifelong fitness and wellness.

## **HEALTH**

Grade 10 Credit 1/2 unit

**PREREQUISITE:** Required

**COURSE DESCRIPTIONS:** Designed for students in order for them to increase an understanding of good health habits through nutrition and exercise, an understanding of the human body, increase knowledge of drug effects and prevention, be able to perform basic first aid care, and prevent STD transmissions.

## **Science**

### **PHYSICS**

Grade: 11-12 Credit: ½ unit

**PREREQUISITE:** Currently enrolled in or completed Algebra II w/ B- avg or higher in Physical Science.

**COURSE DESCRIPTION:** Physics is a course which continues the physical science instruction about the relationships between matter and energy. This course involves the use of many mathematical formulas that are tied to conceptual ideas learned in physical science. It may be taken for dual enrollment through NWMSU.

### **CONCEPTUAL CHEMISTRY**

Grade: 10-12 Credit: 1 unit

**PREREQUISITE:** Physical Science

**COURSE DESCRIPTION:** Conceptual Chemistry is an introductory chemistry course focusing mainly on the science of matter. Students in this course will gain an understanding of chemistry as it pertains to the world around them.

### **CHEMISTRY II**

Grade: 11-12 Credit: 1 unit

**PREREQUISITE:** Conceptual Chemistry

**COURSE DESCRIPTION:** Chemistry II is a continuation of the concepts learned in Conceptual Chemistry. Chem II involves more mathematical concepts that were not introduced in Conceptual Chemistry. It may be taken for dual enrollment through NWMSU.

### **PHYSICAL SCIENCE**

Grade: 9-12 Credit: 1 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** Physical science is the study of matter, energy and their relationship. The everyday application of physical laws are looked at and the basics of chemistry are learned. Physical science is a broad-spectrum course that looks at the concepts more than the mathematical relationships.

### **BIOLOGY**

Grade: 11-12 Credit: 1 unit

**PREREQUISITE:** None

**COURSE DESCRIPTION:** Biology is the study of life and the interactions between living things. This course introduces many new vocabulary and thus requires an ample amount of study time. An EOC is administered in Biology.

### **BIOLOGY II**

Grade: 12 Credit: ½ unit

**PREREQUISITE:** Biology

**COURSE DESCRIPTION:** Biology II covers the same material as Biology I at a deeper level. This course includes a lab component that involves the dissection of animals. Biology II may be taken as dual enrollment through NWMSU.

### **MEDICAL TERMINOLOGY**

Grade: 11-12 Credit: ½ unit

**PREREQUISITE:** Biology

**COURSE DESCRIPTION:** Medical terminology is a course that equips students to deal with the language used in a medical office or a hospital environment. Students will work with prefixes, suffixes and body systems in order to acquaint themselves with medical syntax. Medical Terminology may be taken as dual enrollment through NWMSU.

**AMERICAN HISTORY: RECONSTRUCTION TO 1945**

Grade: 9                      Credit: 1 unit

**PREREQUISITE:** Teacher Approval; students must have attempted or completed 8<sup>th</sup> Grade American History

**COURSE DESCRIPTION:** This course is designed to instruct students as to the important events and themes present, during the recovery from the Civil War and America's rise to a global power. Students in this class will develop research, reading comprehension, and oral presentation skills in the pursuit of American History knowledge.

**CONTEMPORARY AMERICAN HISTORY: 1945 TO PRESENT**

Grade: 10                      Credit: 1 unit

**PREREQUISITE:** Teacher approval; students must have attempted or completed 8<sup>th</sup> and 9<sup>th</sup> Grade American History.

**COURSE DESCRIPTION:** This course covers the events of the post-WWII country, including the development of the Cold War and Modern Conflicts. As this course is in preparation for the Missouri EOC in American History, some review may take place prior to the assessment.

**AMERICAN GOVERNMENT**

Grade: 11                      Credit: 1/2 unit

**PREREQUISITE:** Teacher approval

**COURSE DESCRIPTION:** The overriding objective of American Government is to prepare students to become active, responsible citizens. To achieve this goal, students will learn the theoretical and practical origins of our government and the current structures and institutions that allow our government to continue to function.

**CURRENT EVENTS**

Grade: 9-12                      Credit: 1/2-1 unit

**PREREQUISITE:** Teacher approval

**COURSE DESCRIPTION:** This course uses a variety of topics from around the country to observe human behavior and social institutions.

**WORLD HISTORY**

Grade: 9-12                      Credit: 1/2-1 unit

**PREREQUISITE:** Teacher approval

**COURSE DESCRIPTION:** This course specializes in the development in Western Civilization. Students will observe the components of culture, as well as their development throughout Europe over the last 3,000 years.

**PSYCHOLOGY**

Grade: 10-12                      Credit: 1/2 unit

**PREREQUISITE:** Teacher approval; strongly recommend completion of Biology

**COURSE DESCRIPTION:** Designed to study the origins of human behavior, this course will cover the decision making processes that individuals go through, as well as the various physical operations that are necessary to carry out these behaviors.

**SOCIOLOGY**

Grade: 10-12                      Credit: 1/2 unit

**PREREQUISITE:** Teacher approval; strongly recommend completion of both components of American History

**COURSE DESCRIPTION:** Sociology focuses on the group dynamics and their impact on the individual. Limited understanding of American History is encouraged, as many of the content is based on American culture.

**HISTORICAL TRAVEL USA**

Grade: 11-12                      Credit 1/2 unit

**PREREQUISITE:** Teacher approval; successful completion of both components of American History

**COURSE DESCRIPTION:** This course analyzes the geographical, cultural, and historical make-up of a significant area of the country, in order to better understand the development of our culture while improving written and oral communication skills.

**AMERICAN MILITARY HISTORY**

Grade: 11-12 Credit 1/2 unit

**PREREQUISITE:** Teacher approval; successful completion of both components of American History

**COURSE DESCRIPTION:** This course traces the history of American warfare. It will analyze the different tactical and technological developments that have turned a group of unorganized militia to an advanced fighting force.

**AMERICAN STUDIES**

Grade: 11-12 Credit 1/2 unit

**PREREQUISITE:** Teacher approval; successful completion of both components of American History

**COURSE DESCRIPTION:** This course analyzes the events of American History through two distinct perspectives. First, students will trace American political decision making through the lens of economic determinism. Secondly, the American settlement process through race relations.

**WAR IN IRAQ**

Grade: 11-12 Credit 1/2 unit

**PREREQUISITE:** Teacher approval; successful completion of American History 1945-Present

**COURSE DESCRIPTION:** This course studies the development of the American presence in the Middle East and the political and cultural causes to both the 1991 Iraqi conflict as well as the current war. Students will develop an understanding of the roots of terrorism and the political changes that have taken place since the emerging Middle East threat.

**EASTERN WORLD CIVILIZATIONS**

Grade: 9-12 Credit 1/2 unit

**PREREQUISITE:** Teacher approval

**COURSE DESCRIPTION:** This course focuses on the development and the accomplishments of the cultures of Asia, including technology, philosophy, and political achievements. Students will cover the histories of China, India, and Japan.