

Riverton High School

Course Handbook

Opportunities in Ag Science and Business Sem 1 and 2 AG01-S1/S2 CTE Elective CR

This year-long course offers an introduction to all major phases of agriculture, horticulture, animal science, welding, leadership, record keeping, public speaking, and agricultural products. FFA is introduced and each student selects and implements a Supervised Agricultural Experience Program. The primary aim of this course is an introduction to a variety of agricultural career opportunities.

CREDIT: 1 TYPE: Regular GRADE: 9-10

Animal Science Sem 1 and 2 AG10-S1/S2 CTE Science CR

This course is for students who have an interest in animal science and/or pre-veterinary medicine. This course will be an in-depth study of animals including anatomy, health, nutrition, and digestive systems, reproduction and genetics, meat science, dairy industry, equine science, and live animal evaluation.

CREDIT: 1 TYPE: Regular GRADE: 10-12

PREREQUISITE: Opportunities in Ag Science and Business or instructor approval

Horticultural Science Sem 1 and 2 AG11-S1/S2 CTE Science CR

This class includes a study of greenhouse crops. Students will study plant identification, reproduction techniques, and growth processes. Other areas of instruction include house plants, introductory landscaping and design, lawn management, gardening, plant growth and propagation, insect control, and fertilizers. Students should be prepared to spend a large amount of time working in the greenhouse.

CREDIT: 1 TYPE: Regular GRADE: 10-12

PREREQUISITE: Opportunities in Ag Science and Business or instructor approval

Advanced Horticultural Science Sem 1 and 2 AG09-S1/S2 CTE Science CR

This class will include a study of greenhouse crops and production techniques. Students will refine skills in plant identification, reproduction techniques, and growth processes. Other areas of instruction include foliage plants, advanced landscape design, installation, and cost calculations. Further study will be lawn management, vegetable gardening, dried flowers, plant arrangements, terrariums, and soil fertility. Students should be prepared to spend a large amount of time working in the greenhouse and outdoors.

CREDIT: 1 TYPE: Advanced GRADE: 11-12

PREREQUISITE: Opportunities in Ag Science and Business and Horticulture Science or instructor approval

Natural Resource Management Sem 1 and 2 AG13-S1 CTE Science CR

This course combines the fields of ecology and conservation with planning for the efficient use and preservation of land, water, wildlife, and woods. Within the general area of natural resources management, specific topics will be covered such as soils, grasslands, streams and ponds, hunting or fishing preserves, state/federal regulations, forest production and management, wildlife preservation an

CREDIT: 1 TYPE: Advanced GRADE: 10-12

PREREQUISITE: Opportunities in Ag Science and Business or instructor approval

Ag Welding Sem 1 and 2 AG03-S1/S2 CTE Elective CR

This course includes the principles used in the construction of products in the welding fabrication industry. Students will study welding tool equipment selection, safety, setup, and maintenance for all types of welding equipment. Students will learn theory and practice in technical careers, shop safety, oxy-acetylene cutting and welding, plasma arc cutting, DC and AC arc welding, metal inert gas (MIG) welding, preventive maintenance, project design, layout, and construction. The first semester consists of basic knowledge, safety, and skill welding. The second semester is basic project construction. Approximately 75% of class time will be spent in the shop. \$15 Lab fee is due at enrollment.

COURSE NOTE: \$15 Welding Fee

CREDIT: 1 TYPE: Regular GRADE: 10-12

PREREQUISITE: Opportunities in Ag Science and Business Sem, or instructor approval

Ag Fabrication Sem 1 and 2 AG02-S1/S2 CTE Elective CR

This course involves the advanced study of the principles and techniques used in the construction of products in the welding fabrication industry. Students will continue their study of welding tool equipment selection, safety, setup, and maintenance for all types of welding equipment. Students will learn theory and practice in technical careers, shop safety, oxy-acetylene cutting and welding, plasma arc cutting, increased applications of DC arc welding, metal inert gas (MIG) welding, tungsten inert gas (TIG) welding, preventative maintenance, advanced project design, layout, and construction. Students will spend one 9-week period practicing skills, while the remainder of the course will include advanced project design, layout, and construction. Students must have their projects to construct in this class.

COURSE NOTE: \$15 Welding Fee

CREDIT: 1 TYPE: Regular GRADE: 11-12

PREREQUISITE: Opportunities in Ag Science & Business and Ag Welding or instructor approval

Ag Comm & Leadership Sem 1 and 2 AG12-S1/S2 CTE Elective CR

This class includes a study of advanced leadership practices including public speaking, parliamentary procedure, and group presentations. One of the goals of the course is to develop leadership skills by planning and coordinating student chapter and community development activities for the FFA Chapter. Students will study agribusiness management concepts, business structures, recordkeeping, financial analysis, and commodity marketing. Applicants will be chosen through an interview process.

CREDIT: 1 TYPE: Regular GRADE: 11-12

PREREQUISITE: - Opportunities in Ag Science and Business

OTHER REQUIREMENTS: Instructor Permission

Ag Internship

Grade: 12 ONLY Prerequisite: Opportunities in Ag AND Instructor Approval/Application

Ag Internship is a series of supervised work experiences in a business related to agriculture studies. There will be an emphasis on technical and employability skill development. Students will choose businesses that align with their personal career goals and aspirations of the post-high school. The goal of the internships is to give students real-world opportunities that develop mentorships with an agriculture firm and people in a variety of agriculture careers. Students will be required to provide their means of travel to their internship sites. Students are required to have instructor permission and should be simultaneously enrolled in another Ag Education course, as well as meet and maintain the guidelines as outlined in the application required for enrollment in the class. Students must maintain documentation of their experiences and time worked on AET.

Consumer & Personal Finance S1 BUS17-S1 CTE Financial Literature CR

Consumer and Personal Finance explore the relationship between basic money management and consumer decision-making across the lifespan. It includes an in-depth look at risk management, use of credit, consumer rights and responsibilities, setting goals, and impact of the family on personal financial decision making. How to make wise choices to develop a healthy financial self will be a major component of this course as well as an introduction to the occupations related to the field.

CREDIT: 0.5 TYPE: Regular GRADE: 9-12

COREQUISITES: If you take this course, you must also take Business Essentials S2 BUS07-S1

Business Essentials S2 BUS07-S1 CTE Financial Literature CR

This is a core course designed to give students an overview of the business, marketing, and finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibilities.

CREDIT: 0.5 TYPE: Regular GRADE: 9-12

COREQUISITES: If you take this course, you must also take Consumer & Personal Finance S1 BUS17-S1

Accounting Sem 1 and 2**BUS08-S1/S2**

CTE

Elective CR

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. Advanced topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process.

CREDIT: 1 TYPE: Regular GRADE: 10-12

English I Sem 1 and 2**LA01-S1/S2**

English CR

English/Language Arts I (9th grade) courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

CREDIT: 1 TYPE: Regular GRADE: 9

Applied Communications I Sem 1 and 2**LA09-S1/S2**

English CR

Applied English and Communications courses teach students communication skills—reading, writing, listening, speaking—concentrating on “real-world” applications. These courses usually emphasize the practical application of communication as a business tool—using technical reports and manuals, business letters, resumes, and applications as examples—rather than emphasize language arts skills as applied to scholarly and literary materials

English II Sem 1 and 2**LA02-S1/S2**

English CR

English/Language Arts II courses offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

CREDIT: 1 TYPE: Regular GRADE: 10

Applied Communications II Sem 1 and 2**LA06-S1/2**

English CR

Applied English and Communications courses teach students communication skills—reading, writing, listening, speaking—concentrating on “real-world” applications. These courses usually emphasize the practical application of communication as a business tool—using technical reports and manuals, business letters, resumes, and applications as examples—rather than emphasize language arts skills as applied to scholarly and literary materials

CREDIT: 1 TYPE: Applied GRADE: 10

OTHER REQUIREMENTS: Teacher recommendation

English III Sem 1 and 2

LA03-S1/S2

English CR

English/Language Arts III (11th grade) courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses

CREDIT: 1 TYPE: Regular GRADE: 11

Applied Communications III Sem 1 and 2

LA07-S1/S2

English CR

Applied English and Communications courses teach students communication skills—reading, writing, listening, speaking—concentrating on “real-world” applications. These courses usually emphasize the practical application of communication as a business tool—using technical reports and manuals, business letters, resumes, and applications as examples—rather than emphasize language arts skills as applied to scholarly and literary materials

CREDIT: 1 TYPE: Applied GRADE: 11

OTHER REQUIREMENTS: Teacher recommendation

English IV Sem 1 and 2

LA04-S1/S2

English CR

English/Language Arts IV (12th grade) courses blend composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

CREDIT: 1 TYPE: Regular GRADE: 12

English IV-College Prep Sem 1

LA05-S1/S2

English CR

May be taken for concurrent credit

Semester 1 consists of English Composition I. 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 the language and provides them with critical thinking skills that are necessary for higher education.

CREDIT: 1 TYPE: College Prep GRADE: 12

Intro to Family & Cons Sci S1a

FCS14-S1/S@

CTE

Elective CR

Introduction to Human Services offers a look into the many occupations (paid and unpaid) linked to providing for the basic needs of children, individuals, and families. Occupations will include nutrition

educator, child care provider, social worker, foster parent, credit counselor, geriatric care provider, senior citizen care director, food service provider, restaurant manager, culinary artists, interior/textile designer, event planner, and family and consumer sciences teacher.

CREDIT: 1 TYPE: Regular GRADE: 9-12

Consumer & Personal Finance A **FCS15-S1** CTE Elective CR

Consumer and Personal Finance explore the relationship between basic money management and consumer decision-making across the lifespan. It includes an in-depth look at risk management, use of credit, consumer rights and responsibilities, setting goals, and impact of the family on personal financial decision making. How to make wise choices to develop a healthy financial self will be a major component of this course as well as an introduction to the occupations related to the field.

CREDIT: 0.5 TYPE: Regular GRADE: 9-12

COREQUISITES: If you take this course, you must also take FCS20 - Human Growth & Development S2

Human Growth & Development S2 **FCS20** CTE Elective CR

Human Growth and Development A provide students with knowledge about the physical, mental, emotional, and social growth and development of humans from conception to old age, with a special emphasis on birth through school age. Course content will provide an overview of life stages, with a strong tie to prenatal and birth processes; fundamentals of children's emotional and physical development; and the appropriate care of children.

CREDIT: 0.5 TYPE: Regular GRADE: 9-12

COREQUISITES: If you take this course, you must also take FCS15-S1 - Consumer & Personal Finance A

Culinary Essentials **FCS16** CTE Elective CR

Restaurant, Food, and Beverage Services—Comprehensive courses provide students with knowledge and skills related to commercial and institutional food service establishments. Course topics range widely, but usually include sanitation and safety procedures, nutrition and dietary guidelines, food preparation (and

quantity food production), and meal planning and presentation. Restaurant, Food, and Beverage Service courses may include both “back-of-the-house” and “front-of-the-house” experiences, and may therefore also cover reservation systems, customer service, and restaurant/business management.

CREDIT: 0.5 TYPE: Regular GRADE: 9-12

COREQUISITES: If you take this course, you must also take FCS04 - Nutrition and Wellness B S2

Career and Community Connections Sem 1 and 2 **FCS12-S1/S2** CTE Elective CR

Application-level course for the learner to apply technical skills in a professional learning experience, unpaid or paid, outside or within the school environment. Included will be continued development and finalization of the student’s portfolio. Career and Community Connections provides the opportunity for

learners to focus on career-related topics, team building and effectiveness in the world of work, and acquiring job-seeking skills and retention needed to advance within the workplace.

CREDIT: 1 TYPE: Regular GRADE: 12

PREREQUISITE: Intro/Career and one other FCS class

Art I Sem 1 FA03-S1/S2

Fine Art CR

A beginning art program consisting of a variety of activities to introduce the student to the different types of fine art. Examples of activities, which will be covered, are beginning drawing, painting, sculpture, art history, and a variety of other projects. Supply Fee \$15 due at enrollment.

COURSE NOTE: \$15 Course Fee due at enrollment

CREDIT: 1 TYPE: Regular GRADE: 9-12

Art II Sem 1 FA12-S1/S2

Fine Art CR

Students who have shown dedication and interest in the field of art, and who completed Art I with a grade of B or above, will be allowed to take this advanced class. A progression of art experiences to a higher level with more work and involvement in numerous mediums and techniques. Both 2D and 3D art projects will allow students to do more in-depth studies and projects.

Supply Fee \$15 due at enrollment.

COURSE NOTE: \$15 Course Fee

CREDIT: 1 TYPE: Regular GRADE: 10-12

PREREQUISITE: FA03-S2 - Art II Sem 2

Art III Sem 1 FA13-S1/S2

Fine Art CR

Students who have shown dedication and interest in the field of art, and who completed Art I with a grade of B or above, will be allowed to take this advanced class. A progression of art experiences to a higher level with more work and involvement in numerous mediums and techniques. Both 2D and 3D art projects will allow students to do more in-depth studies and projects.

Supply Fee \$15 due at enrollment.

COURSE NOTE: \$15 Course Fees

CREDIT: 1 TYPE: Regular GRADE: 11-12

PREREQUISITE: FA12-S2 - Art II Sem 2

Art IV Sem 1 FA14-S1/S2

Fine Art CR

Students who have shown dedication and interest in the field of art, and who completed Art I with a grade of B or above, will be allowed to take this advanced class. A progression of art experiences to a higher level with more work and involvement in numerous mediums and techniques. Both 2D and 3D art projects will allow students to do more in-depth studies and projects.

Supply Fee \$15 due at enrollment.

COURSE NOTE: \$15 Course Fees

CREDIT: 1 TYPE: Regular GRADE: 11-12

PREREQUISITE: FA13-S2 - Art III Sem 2

Fundamentals of Speech FA15-S1 Fine Art CR

Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

CREDIT: 0.5 TYPE: College Prep GRADE: 11-12

COREQUISITES: If you take this course, you must also take TECH42-S2 - Computer Concepts and Applications

Choir Sem 1 and 2 FA05-S1/S2 Fine Art CR

The high school choir is designed for those students wishing to experience and learn about the art of singing. The purpose of the class is to learn the proper etiquette of singing and performance techniques. The choir performs at the high school's Christmas and Spring Concerts, as well as some contest events.

All scheduled performances are mandatory.

CREDIT: 1 TYPE: Regular GRADE: 9-12

Orchestra Sem 1 and 2 FA06-S1/S2 Fine Art CR

This course is provided to encourage the performance of the great string music of the master composers, as well as popular music. The orchestra performs at various programs, concerts, and contests throughout the year. All high school musicians are urged to join the group. We are only one of seven 3A schools in Kansas offering this course. No student is allowed to drop at the semester, or during the semester.

CREDIT: 1 TYPE: Regular GRADE: 9-12

Orchestra with Band Sem 1 and 2 FA07-S1/S2 Fine Art CR

CREDIT: 0.1 TYPE: Regular GRADE: 9-12

High School Band Sem 1 and 2 FA09-S1/S2 Fine Art CR

This high school band consists of 3 required parts: marching, stage, and concert. Marching band consists of all required football games, state playoff performances, pep assemblies, and parades. Stage band is required for all brass players, and other students selected by the director. These students are required to attend all basketball games, pep assemblies, and playoff games. Only those stage band members, who are in good standing and have fully participated in all stage band performances, will be allowed to

participate in state playoff activities. All concerts, contests, and other performances are mandatory. Baccalaureate is optional.

CREDIT: 1 TYPE: Regular GRADE: 9-12

PREREQUISITE: Middle School Band or prior private music lessons. Students are not allowed to drop in the semester or instructor approval.

Select Choir Sem 1 and 2 FA11-S1/S2 Fine Art CR

The high school select choir is designed for students wishing to refine the art of singing. The purpose of the class is to further develop proper etiquette of singing and performance techniques. The select choir will perform during special engagements as well as other elite opportunities.

All scheduled performances are mandatory.

CREDIT: 1 TYPE: Regular GRADE: 9-12

PREREQUISITE: Auditions are required.

Health Science Careers I CPR AND FIRST AID Sem 1 HSC06-S1 Elective CR

This course provides students with an in-depth study of health care careers. This course is designed for students who might consider a career in the health care field. The course will focus on the concepts and principles of the structure, function, and systems of the human body with growth and development. The course will cover: CPR and First Aid, Medical Terminology, Field Trips/Guest Speakers, Possible Job Shadow, Community Service.

CREDIT: 0.5 TYPE: Regular GRADE: 10-12

PREREQUISITE: Biology or may be taken concurrently with Biology

COREQUISITES: If you take this course, you must also take HSC01-S2 - Health Science Careers I Sem 2

Health Science Careers I Intro to Healthcare Sem 2 HSC10-S2 Elective CR

This course provides students with an in-depth study of health care careers. This course is designed for students who might consider a career in the health care field. The course will focus on the concepts and principles of the structure, function, and systems of the human body with growth and development. The course will cover: CPR and First Aid, Medical Terminology, Field Trips/Guest Speakers, Possible Job Shadow, Community Service.

CREDIT: 0.5 TYPE: Regular GRADE: 10-12

PREREQUISITE: Biology or may be taken concurrently with Biology

COREQUISITES: If you take this course, you must also take HSC01-S1 - Health Science Careers I Sem 1

Health Science Careers II, Health Care Research Sem 1 and 2 HSC02-S1/S2 CTE Science CR

Review of CPR and First Aid, Continuation of Medical Terminology, Job Shadows/Opportunities for College Credit Med Term and CNA. Study of Diseases and Disorders, Elementary Teaching, Community Service.

CREDIT: 1 TYPE: Regular GRADE: 11-12

PREREQUISITE: HSC01-S2 - Health Science Careers I Sem 2

Health Science Careers III, Health Care Work Expr Sem 1 and 2 HSC03-S1 /S2 CTE Science CR

Students have the opportunity to pursue Medical Terminology, Phlebotomy, Certified Nurse Aide, and Certified Medication Aide for college credit. Class projects may be individualized for group interests. Field Trips/Guest Speakers/Job Shadows/Community Service.

CREDIT: 1 TYPE: Regular GRADE: 12

PREREQUISITE: HSC02-S2 - Health Science Careers II Sem 2

Cabinetmaking and Furniture Design I Sem 1 and 2 IA01-S1/S2 CTE Elective

This course will cover the basic technique of cabinet construction. Topics covered will be safety, proper use of a hand, and power tools. Students will construct a simple project selected by the instructor. A second project will be designed and built by the students.

A \$35 deposit is due at enrollment.

COURSE NOTE: \$35 Course Fee

CREDIT: 1 TYPE: Regular GRADE: 9-12

Residential Carpentry I Sem 1 and 2 IA04-S1/S2 CTE Elective

This course is designed to help students explore the many opportunities offered through building trades. There are no individual projects. Emphasis is placed, on learning trade skills through activities within the school and community. These skills include framing, masonry, residential wiring, plumbing, and more. A \$25 deposit is due at enrollment.

COURSE NOTE: \$35 Course Fee due at enrollment

CREDIT: 1 TYPE: Regular GRADE: 9-12

Cabinetmaking and Furniture Design II Sem 1 and 2 IA02-S1/S2 CTE Elective

This course will cover the basic technique of cabinet construction. Topics covered will be safety, proper use of a hand, and power tools. Students will construct a simple project selected by the instructor. A second project will be designed and built by the students.

A \$35 deposit is due at enrollment.

COURSE NOTE: \$35 Course Fee

CREDIT: 0.5 TYPE: Regular GRADE: 10-12

PREREQUISITE: IA01-S2 - Cabinetmaking and Furniture Design I Sem 2

Residential Carpentry II Sem 1 and 2 IA08-S1/S2 CTE Elective

This course is a continuation of carpentry 1. Further emphasis is placed on framing, masonry, residential wiring, plumbing, and larger construction projects. A \$25 deposit is due at enrollment.

COURSE NOTE: \$35 Course Fee due at enrollment

CREDIT: 1 TYPE: Regular GRADE: 10-12

Algebra I Sem 1 and 2 MA02-S1/S2

Math CR

This course is the study of real numbers and operations dealing with real numbers and variables. Course content covers analyzing, solving, and graphing: relations, equations, functions, linear equations, and inequalities. Other topics of study include polynomials, factoring, and quadratic functions. Students completing this course will be prepared for either Geometry or Algebra II.

CREDIT: 1 TYPE: Regular GRADE: 9-12

Applied Algebra I Sem 1 and 2 MA15-S1/S2

Math CR

OTHER REQUIREMENTS: Teacher Recommendation

CREDIT: 1 TYPE: Applied GRADE: 9-12

PREREQUISITE: Teacher Recommendation

Algebra II Sem 1 and 2 MA03-S1

Math CR

After reviewing and maintaining the skills of Algebra I, this course goes into more advanced areas in exponents and radicals, exponential logarithmic function, circular trigonometry functions, and conic sections. Other topics of study include metrics, series and sequences, permutations, and combinations. Requirements: Notebook.

CREDIT: 1 TYPE: Regular GRADE: 9-12

PREREQUISITE: Algebra I

Geometry Sem 1 and 2 MA04-S1/S2

Math CR

The key aspects of this course are measuring, reasoning, and applying geometric ideas.

Major areas of studies are properties of triangles, quadrilaterals, and circles. It will include a review of algebra and the application of algebraic concepts to geometry content.

CREDIT: 1 TYPE: Regular GRADE: 10-12

PREREQUISITE: Algebra I

Applied Geometry Sem 1 and 2 MA14-S1

Math CR

CREDIT: 1 TYPE: Applied GRADE: 10-12

OTHER REQUIREMENTS: Teacher Recommendation

Advanced Math Sem 1 and 1 MA05-S1/S2

Math CR

May be taken for concurrent credit

This course consists of Semester 1 College Algebra which is a culmination of the high school math classes. This course continues coverage and extends the properties of functions and their inverses, properties, and graphs of the exponential and logarithmic functions, graphing techniques for general higher-order polynomials and rational functions, and various solution techniques for solving higher order linear systems of equations. The use of technology such as the graphing calculator and some computer packages will be incorporated into the course.

CREDIT: 1 TYPE: Advanced GRADE: 10-12

PREREQUISITE: Algebra I, Algebra II & Geometry (may be waived)

Business Math with Algebra Sem 1 and 2 MA07-S1/S2 Math CR

This course is designed to focus on mathematics encountered in business and daily living. After completing this course, students should have a better understanding of the mathematics required for daily living skills.

CREDIT: 1 TYPE: Regular GRADE: 11-12

Calculus Sem 1 and 2 MA06-S1/S2 Math CR

May be taken for concurrent credit

Designed as a beginning Calculus course. Review of Basic Algebra and Analytic Geometry. Some topics covered are limits and continuity, differentiation, integration logarithmic and exponential functions, trigonometric functions, and application of all of the above. This will cover the concepts of limits and continuity of polynomial, rational, and trigonometric functions. The concepts of rate of change and derivative will be applied to these functions. The course will come to a close with the concepts of the antiderivative and properties and definition of the definite integral.

Requirements: Notebook.

CREDIT: 1 TYPE: Regular GRADE: 12

PREREQUISITE: Algebra I, Algebra II, Geometry & Advanced Math

Vo-Tech Shop Math Sem 1 and 2 Math CR

Shop math is completed while students are enrolled in Vocational Education through Coffeyville Community College or Labette Community College

CREDIT: 1 TYPE: Regular GRADE: 11-12

9th PE Sem 1 and 2 HPER10-S1/SR PE CR

This is a required course for all freshmen. This course is taught as a coed unit, which acquaints the students with themselves physically and emotionally and the relationship between the two. The

students will also learn about good health attitudes and practices. Human sexuality is also included as a part of the health course.

CREDIT: 0.50 TYPE: Regular GRADE: 9

9th Health Sem 1 AND 2 HPER11-S1/S2 PE CR

This is a required course for all freshmen. This course is taught as a coed unit, which acquaints the students with themselves physically and emotionally and the relationship between the two. The students will also learn about good health attitudes and practices. Human sexuality is also included as a part of the health course.

CREDIT: 0.50 TYPE: Regular GRADE: 9

Phys. Condition SEM 1 AND 2 HPER03-S1/S2 PE CR

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

CREDIT: 1 TYPE: Regular GRADE: 9-12

Team Sports Sem 1 and 2 EL17 S1/S2 PE CR

Team sports courses provide students with the knowledge, experience, and an opportunity to develop skills in more than one team sport (such as volleyball, soccer, basketball, and so on)

CREDIT: 1 TYPE: Regular GRADE: 11-12

Physical Science Sem 1 and 2 SCI02-S1/S2 Science CR

This is a required course. Topics covered are “physical” in nature. Methods in science, physics, chemistry, and earth and space sciences are taught. Requirements include keeping a notebook for lab work and assignments incorporated into this topic.

CREDIT: 1 TYPE: Regular GRADE: 9

Biology Sem 1 and 2 SCI04-S1/S2 Science CR

Biology helps students understand the fundamental interactions and connections that exist between living things and their environment. Cellular Biology, Genetics, Ecology, and Scientific Inquiry are covered in this course.

CREDIT: 1 TYPE: Regular GRADE: 10

PREREQUISITE: SCI02-S2 - Physical Science Sem 2

Chemistry Sem 1 and 2 SCI05-S1/S2 Science CR

The first course of a two-semester study of general chemistry. Course content includes nomenclature, stoichiometry, acids and bases, oxidation-reduction reactions, gas laws, thermochemistry, atomic structure, periodicity, bonding, and molecular structures.

College Chemistry I is recommended for all students in engineering, sciences, and applied science fields.

CREDIT: 1 TYPE: Regular GRADE: 11-12

PREREQUISITE: Physical Science, Biology & Algebra II

Physics Sem 1 and 2 SCI06-S1/S2 Science CR

This course focuses primarily on the mechanics of physics. Processes of problem-solving are emphasized.

Numerous lab activities will be done. Students who intend to pursue a college degree should take this course.

CREDIT: 1 TYPE: Regular GRADE: 11-12

PREREQUISITE: Physical Science, Chemistry, Algebra I & Algebra II (may be taken concurrently)

Adv Biology (CP) Sem 1 and 2 SCI08-S1/S2 Science CR

Biology helps the students understand the fundamental interactions and connections that exist between living things and their environment. Activities in this class include dissections, field trips, research papers, guest speakers, and more. Anyone interested in learning about the inner workings of the environment and the human impact on the environment should take this class.

CREDIT: 1 TYPE: Regular GRADE: 11-12

PREREQUISITE: Physical Science & Biology

Leadership I Sem 1 and 2 EL05-S1/S2 Elective

Leadership I - The first-year course will focus on individual leadership, decision making, communication, and problem-solving on an individual basis. There will be numerous classroom opportunities to expand their individual growth and development.

CREDIT: 1 TYPE: Regular GRADE: 9-12

World Regional Studies Sem 1 and 2 SS05-S1/S2 SS CR

This course focuses on the 5 themes of geography of the major regions and nations of the world. Objectives include awareness of current issues, a basic general knowledge of geography, world history, global issues, and global economics.

CREDIT: 1 TYPE: Regular GRADE: 10

American History Sem 1 and 2 SS03-S1/S2 SS CR

This is a study of America's heritage from the Civil War to the present as seen through its cultural, political, and social history. The focus is on understanding what events have impacted history and their interrelationship. Note-taking is required. Essay testing and group works are used. Oral communications are also a part of the evaluation system.

CREDIT: 1 TYPE: Regular GRADE: 11

PREREQUISITE: SS05-S2 - World Regional Studies Sem 2

Psychology Sem 1 and 2 EL06-S1/S2 Elective

May be taken for concurrent credit

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.

CREDIT: 1 TYPE: Regular GRADE: 12

American Government-College Prep Sem 1 and 2 SS04-S1/S2 SS CR

This course is designed to help students to master advanced concepts about American history, government, economics, culture, and current issues. A student will be required to apply synthesis and evaluation knowledge through the use of essays, oral presentations, and group evaluations. Note-taking is important. This class is designed as an incentive and preparation course primarily for those students who are college-bound.

CREDIT: 1 TYPE: College Prep GRADE: 12

PREREQUISITE: SS03-S2 - American History Sem 2

Graphic Design Fundamentals Sem 1 and 2 TECH22-S1/S2 CTE Elective

This class is an introduction to creating digital images for use in graphic design. The students will have the use of computers and Serif software to develop illustrative projects. Students will be focusing on the originality of imagery and image creation techniques including collage, montage, and mixed media to create professional-quality projects. Activities may involve desktop publishing, movie making, and photo manipulation.

COURSE NOTE: Class Fee \$10

CREDIT: 1 TYPE: Regular GRADE: 9-10

Game Design Sem 1 and 2 10165-S1/S2 Elective

Game technologies represent the culmination of logic, sequence, utilization, and extension of skill. The programming process for this course will utilize all previously learned factors of programming logic, artistry, and interactivity.

CREDIT: 1 TYPE: Regular GRADE: 9-12

Yearbook Sem 1 and 2 TECH04-S1/S2 Elective

Digital Yearbook is a class that allows the students to design and produce a book of memories, special events, and school activities so that they may be better remembered in the future. It is the goal of the

class to create a yearbook that is nice in appearance, has good copy and photos that fill the pages, and is accurate in all aspects of layout and design. The book will be developed with the use of digital cameras, 35mm cameras, scanners, computers, and other technologies.

CREDIT: 1 TYPE: Regular GRADE: 9-12

OTHER REQUIREMENTS: Teacher Recommendation Required

Animation Sem 1 and 2 TECH34-S1/S2 CTE Elective

This course will explore the foundations of 3-D animation environments, as well as animation techniques unique to digital imagery. Students will develop a series of projects using software designed for the Internet, as well as other 3-D computer-based platforms. Projects will explore a variety of possibilities for 3-D interactive design. This course introduces concepts for planning and developing animation sequences. Upon completion, students should be able to produce simple animations. This class will also offer the theory and practice of video game design and programming. Video Game programming is one of the most challenging disciplines in Computer Science because it attempts to combine, in real-time, concepts in computer graphics, human-computer interaction, networking, artificial intelligence, computer-aided instruction, computer architecture, and databases.

COURSE NOTE: \$10 Course Fee

CREDIT: 1 TYPE: Regular GRADE: 10-12

Media Tech Sem 1 and 2 TECH37-S1/S2 CTE Elective

This course provides practical, technical instruction in the use of high-end digital image capture backs coupled with traditional, medium format camera system hardware. Students explore the concepts and processes required to create photographic imagery using Adobe Photoshop, and DVD programs. The following activities will be incorporated into the class - Basic Inter Design Photography, Digital Special Effects, Multimedia Concepts, and Multimedia Portfolio.

COURSE NOTE: \$10 Course Fee due at enrollment

CREDIT: 1 TYPE: Regular GRADE: 10-12

Graphic Design II Sem 1 and 2 TECH41-S1/S2 CTE Elective

This course is a continuation of Graphic Design Fundamentals. Students will be active in producing consumer products within this course.

COURSE NOTE: \$10 Course Fee due at enrollment

CREDIT: 1 TYPE: Regular GRADE: 10-12

Computer Concepts and Applications TECH42-S2 Elective

Introduction to computer courses introduce students to computers and peripheral devices, the functions and uses of computers, the language used in the computer industry, possible applications of computers, and occupations related to computer hardware and software. These courses typically

explore legal and ethical issues associated with computer use, as well as how computer influence modern society. Students may also be required to perform some computer operations.

CREDIT: 0.5 TYPE: College Prep GRADE: 11-12

COREQUISITES: If you take this course, you must also take FA15-S1 - Fundamentals of Speech

Spanish I Sem 1 and 2 FL01-S1/S2 Elective

This course is an introduction to the Spanish Language and to the learning of a foreign language. Grammar, the sound system, and basic conversational skills are all emphasized. Methods of instruction include TPR, cooperative learning, individual work, and extensive use of technology. Students should plan to continue studying Spanish language for at least two years in order to take full advantage of the program and to utilize best their time and effort.

CREDIT: 1 TYPE: Regular GRADE: 9-12

Spanish II Sem 1 and 2 FL02-S1/S2 Elective

This course is designed to give those who have completed Spanish I further experience in reading, writing, hearing, and speaking the language. Grammar is studied more extensively, with a more in-depth study of verb forms and tenses, pronouns, adverbs, etc. Audio, video and computer technology are used to enhance oral and aural skills.

CREDIT: 1 TYPE: Regular GRADE: 10-12

PREREQUISITE: FL01-S2 - Spanish I Sem 2

Southeast Kansas Area Vocational Technical School Vo-Tech Concurrent Credit

Vo-Tech Courses offered at Coffeyville Community College & Labette Community College.

CREDIT: 3

TYPE: Regular

GRADE: 11-12

OTHER REQUIREMENTS: Principal Recommendation Required

Independent Studies Sem 1 and 2 RR03-S1/S2 Elective

Study Skills courses prepare students for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlines

CREDIT: 1 TYPE: Applied GRADE: 9-12

OTHER REQUIREMENTS: Teacher Recommendation Required

Intro to Systems Support Sem 1 and 2 TECH06-S1 Elective

The purpose of this class is to involve students in troubleshooting and maintaining district computer workstations, including hardware and software while establishing public relations skills by working with others. Students will have an initial training period and then work on a more independent basis to help maintain our district computers. Limited enrollment and by permission only.

CREDIT: 1 TYPE: Regular GRADE: 9-12

OTHER REQUIREMENTS: Requires approval signature from Mrs. Falling

Library Aide Sem 1 and 2 **LIB01-S1/2** Elective CR

The student will learn to:

Be an efficient and effective life-long user of media

Analyze and interpret information

Contribute to the total media database

Show respect for resources, people, and procedures during the daily operations of the media center

Be receptive to and able to adjust to the future media hardware and software developments

Good attendance is critical to training and completion of course assignments. The mandatory one-day training is required. A date for the training will be set before the first day of school. Students will meet with

Grades 11-12 by permission only.

CREDIT: 1 TYPE: Regular GRADE: 11-12

OTHER REQUIREMENTS: Instructor Approval

Workplace Experience S1 and 2 **EL15-S1/S2** Elective

Workplace Experience courses provide students with work experience in various work fields. Goals are typically set cooperatively by the student, teacher, and employer. These courses may include classroom activities as well, involving the further study of the field or discussion regarding experiences that students encounter in the workplace.

CREDIT: 1 TYPE: Regular GRADE: 12

OTHER REQUIREMENTS: Students must meet all requirements. Students must complete the required application and provide the required references. Requires pre-approval by Mr. Harper.

Nurse Aide Sem 1 and 2 **NA01- S1/S2** No Credit

Students may work as a nurse aide instead of a teacher's aide.

CREDIT: 0 TYPE: Regular GRADE: 12

OTHER REQUIREMENTS: Nurse Approval

Office Aide Sem 1 and 2 **OA01-S1/S2** No Credit

Students will be trained in routine office procedures. Students act as an extension of the main office; therefore, a pleasant, courteous, and professional attitude is mandatory. Interested students will interview with the main office secretary.

This option is restricted to seniors and by permission only.

CREDIT: 0 TYPE: Regular GRADE: 12

OTHER REQUIREMENTS: Instructor Approval

Teachers Aide Sem 1 and 2 TA11-S1/S2

No Credit

Students may enroll for one block to assist a classroom teacher with routine duties. Teachers will provide a contract with a list of routine duties and responsibilities.

Restricted to seniors. By permission only.

CREDIT: 0 TYPE: Regular GRADE: 12

OTHER REQUIREMENTS: Instructor Approval