

# Course Descriptions: 2011-2012

## ENGLISH LANGUAGE ARTS

### English 1,2,3,& 4

(1.0 weighting)

Time: full year

Credit: 1 per year

This course is designed for students of average or above average ability. Instruction will occur within the context of speaking, listening, writing and reading, and includes development in the skills delineated in the TAKS and identified Texas Essential Knowledge and Skills criteria.

### English 1 Pre-AP

(1.1 weighting)

Grade: 9

Time: full year

Credit: 1 credit

Prerequisite: **application required**

This is a challenging course designed to build student skill and discipline in reading, writing and analysis of literary works of merit. In addition to the prescribed Texas curriculum for English 1, disciplined time management and study skills are required to master the terminology, reading assignments, and timed written analyses that comprise the core of the course. Above average writing ability, superior verbal skills, completion of outside reading assignments, exceptionally accurate work, assuming challenging responsibilities, self-motivated initiative and willingness to accept constructive criticism are attributes expected of the AP student. Greater content immersion and faster-paced work with performance assessed at higher order levels of analysis and synthesis should be expected.

### English 2 Pre-AP

(1.1 weighting)

Grade: 10

Time: full year

Credit: 1 credit

Prerequisite: **prior enrollment in Pre-AP English or application required**

This course emphasizes the careful, extensive reading and critical analysis of various genres of literature. Writing is an integral part of this course. It is intended to prepare the student for the AP English 3 course.

**English 3 AP**  
(1.1 weighting)

Grade: 11

Time: full year

Credit: 1 credit

Prerequisite: **prior enrollment in Pre-AP English or application required**

This course emphasizes the careful, extensive reading and critical analysis of American literature. Writing is an integral part of this course. It is intended to prepare the student for the AP English 4 course and success in college.

**English 4 AP**  
(1.1 weighting)

Grade: 12

Time: full year

Credit: 1 credit

Prerequisite: **prior enrollment in AP English or application required**

This course emphasizes the careful, extensive reading and critical analysis of representative works of British and world literature. Writing is an integral part of this course and will focus on critical analysis of literature. As a result of successful completion of this course students may take an AP exam for college credit.

**Professional Communications**  
(1.0 weighting)

Grade: 9-12

Time: one semester

Credits: ½ credit

This course blends written, oral and graphic communication in a career-based environment. Students will be expected to develop and expand the ability to write, read, edit, speak, listen, apply software applications, manipulate computer graphics, and conduct Internet research.

**Yearbook (Journalism)**  
(1.0 weighting)

Grade: 11-12

Time: full year

Credit: 1 credit per year

Prerequisites: strong English/grammar background recommended; typing/computer experience helpful

**Teacher approval (Rosas)**

Working on the yearbook staff includes selling advertising, page design and layout, writing body and caption copy and headlines, planning and cropping photos and meeting deadlines. Students should work well with people, be dependable and exhibit a sincere interest in producing a quality yearbook.

# MATHEMATICS

## **Algebra 1**

(1.0 weighting)

Grade: 9

Time: full year

Credit: 1 credit

This is a comprehensive and cohesive course that prepares students to use algebraic skills and concepts confidently in mathematics, in related disciplines, and in real world situations. Topics of study include real numbers, algebraic expressions, equations, inequalities, polynomials, rational expressions, relations, functions, and radicals.

## **Geometry**

(1.0 weighting)

Grade: 10-11

Time: full year

Credit: 1 credit

Prerequisite: Algebra 1

Standard math course for students functioning on grade level. Students investigate geometry concepts including logic, congruency, similarity, parallelism, and constructions. Students then formally develop proofs of these same concepts as well as practice strategies to solve application type problems.

## **Geometry: Q Pre-AP**

(1.1 weighting)

Grade: 9

Time: full year

Credit: 1 credit

Prerequisite: Algebra 1 in **8<sup>th</sup> grade** & recommendation of the 8<sup>th</sup> grade math teacher

This is a challenging geometry course for students on an accelerated math track. The class is designed for those students who took Algebra 1 in the 8<sup>th</sup> grade and demonstrated strong retention of subject matter.

## **Algebra 2**

(1.0 weighting)

Grade: 10-12

Time: full year

Credit: 1 credit

Prerequisite: completion of Algebra 1 & Geometry

This course consists of a concise, thorough review of fundamental algebra skills and concepts, linear equations and inequalities; functions and graphs; systems of equations and inequalities; matrices and determinants; polynomials; rational expressions; quadratic and polynomial functions; conic sections; and exponential and logarithmic functions.

**Algebra 2:Q (Pre-AP)**

(1.1 weighting)

Grade: 10

Time: full year

Credit: 1 credit

Prerequisite: completion of Geometry:Q in the 9<sup>th</sup> grade

The content of this course will compare in content to that of Algebra 2, with greater emphasis on higher level math and thinking skills. Emphasis will be placed on preparation for the pre-calculus / calculus sequence and the pace of the course will be accelerated.

**Mathematical Models with Application**

(1.0 weighting)

Grade: 11-12

Time: full year

Credit: 1 credit

Prerequisites: Algebra 1 & Geometry

This course can satisfy the third year of mathematics required for graduation on the Minimum program for students who entered high school prior to Fall, 2007. It includes the improvement of problem solving skills in relation to personal finance. Some of the topics to be studied include income taxes, investments, retirement benefits, financing purchases and related topics. For students entering high school Fall, 2007 and thereafter, this class can fulfill one of the requirements of the Recommended program provided it is taken **prior to** Algebra 2, but it is not a substitute for Algebra 2.

**Pre-calculus**

(1.0 weighting)

Grade: 11-12

Time: full year

Credit: 1 credit

Prerequisites: Algebra 1, Algebra 2 and Geometry

This is a one year college preparatory course that combines trigonometry, elementary analysis, and analytic geometry into one course. Topics of study include functions and their graphs, trigonometric identities, surfaces of revolution, statistics, vectors and matrices.

**Pre-calculus :Q (Pre-AP)**

(1.1 weighting)

Grade: 11-12

Time: full year

Credit: 1 credit

Prerequisites: Algebra 1, Algebra 2 and Geometry

This is a one year college preparatory course that combines trigonometry, elementary analysis, analytic geometry and elementary calculus into one course. Topics of study include functions and their graphs, logarithms, trigonometric identities and applications, surfaces of revolution, statistics, vectors matrices and introductory limits. This course also includes connections to many calculus topics.

**Advanced Placement Calculus--AB**

(1.1 weighting)

Grade: 12

Time: fall and spring

Credit: ½ or 1 credit

Prerequisites: Pre-calculus

This is a college level calculus course for students who plan to enter a college program requiring a strong mathematics background. Topics of study for first semester include limits and their properties, differentiation and applications, and integration and applications. The second semester of calculus investigates more complex integration techniques, infinite series, conics, plane curves, parametric equations, polar coordinates, and vectors.

**SCIENCE**

**Integrated Physics and Chemistry (IPC)**

(1.0 weighting)

Grade: 9 - 10

(to be taken **prior to** chemistry & physics)

Time: full year

Credit: 1 credit

Course designed to present a study of the physical and chemical interaction of matter. The course will cover the introductory concepts of physics and chemistry

**Biology 1**

(1.0 weighting)

Grade: 9-10

Time: full year

Credit: 1 credit

Course designed to study the basic components of life, what processes make life possible, the interaction between living organisms and the roles these organisms play within the environment. **This should not be taken in the 9<sup>th</sup> grade unless the student has a strong math background.**

**Principles of Technology 1**

(1.0 weighting)

Grade: 10-12

Time: full year

Credit: 1 credit

Prerequisites: IPC, Biology & Algebra 1

This is a technology course in conceptual physics which is totally lab based. It can be counted as one of the three science credits required by TEA for the Recommended Program, **however, it is NOT accepted by all colleges as a third lab science required for admission.**

**Chemistry 1**  
(1.0 weighting)

Grade: 10-11

Time: full year

Credit: 1 credit

Prerequisites: Taking Algebra 2 ; grade of 80 or higher in IPC or Biology; grade of 85 or higher if Biology was taken as a sophomore

Course designed to study the structure, composition and behavior of matter. Chemistry is a laboratory-oriented course that stresses the observation of matter and its behavior, classification of matter, communication of data, measurement of chemical quantities, prediction of chemical phenomena and manipulations of chemical investigations.

**Physics**  
(1.0 weighting)

Grade: 11-12

Time: full year

Credit: 1 credit

Prerequisite: IPC or Chemistry 1 and Biology; **should be taking or have completed Pre-calculus**

Course designed to study matter and energy and their interaction. Students are introduced to fundamental concepts in the areas of mechanics, light, sound, heat, electricity, magnetism and nuclear phenomenon.

**Biology AP**  
(1.1 weighting)

Grade: 12

Time: full year

Credit: 1 credit

Prerequisites: Biology 1 and Chemistry 1, teacher approval

This is a study of general biological principles as well as the more specialized biological sciences. Cytology, biochemistry, developmental biology, genetics, ecology, taxonomy and various aspects of adaptation are integrated within the course. This is a college level course. Students are expected to do college level work including outside readings and projects.

**Environmental Systems**  
(1.0 weighting)

Grade: 11 or 12

Time: full year

Credit: 1 credit

Prerequisite: Biology and 1 credit of either IPC, Chemistry, Principles of Technology or Physics; this course will satisfy the fourth science credit requirement for the Recommended Program

Students conduct field and laboratory investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include: habitats, ecosystems, relationships between resources and environmental systems, relationships between populations and ecosystems, and changes in environments.

### **Human Anatomy & Physiology**

(1.0 Weighting)

GRADE: 12

Time: full year

Credit: 1 credit

Prerequisites: Biology 1 and Chemistry

This is a study of the structure and function of the human body. Content will include in-depth knowledge of each of the systems of the body. Extensive memorization of all terms and knowledge related to those systems. This is an excellent course for any student planning to enter a medical or health related field of study. **This course does not count as one of the three science credits required for graduation, but will meet the fourth science requirement.**

## SOCIAL STUDIES

### **World Geography**

(1.0 weighting)

Grade: 9

Time: full year

Credit: 1 credit

This course allows students to study the interaction of people and their physical environments in the world. The different land forms and regions of the world will be studied.

### **World History**

(1.0 weighting)

Grade: 10

Time: full year

Credit: 1 credit

This course studies the history and development of world cultures. Course content includes the development of early civilizations, western civilization and other world regions from their early days to the present.

### **United States History**

(1.0 weighting)

Grade: 11

Time: full year

Credit: 1 credit

Course includes significant individuals, issues and events after the period of reconstruction to the present. Students will study the economic, social, and political effects of many important events on our nation, as well as the impact these events have on the United States today.

**United States History AP**

(1.1 weighting)

Grade: 11

Time: full year

Credit: 1 credit

Prerequisite: GPA 95+ in previous social studies classes; teacher recommendations;  
**teacher approval (Coach Blanchard)**

This is an advanced course that will cover the history of the United States and America from its earliest inhabitants through the beginning of the 21st century, unlike the regular U.S. history course, which focuses more on the post-reconstruction period. Students will be expected to do more outside reading and research as well as utilize more critical analysis skills.

**United States Government**

(1.0 weighting)

Grade: 12

Time: fall semester

Credit: ½ credit

Government students will study the foundations of the American political system along with the basic functions of federal, state and local governments.

**Economics**

(1.0 weighting)

Grade: 12

Time: spring semester

Credit: ½ credit

Economics students will study the basic principles of the free enterprise system developing an understanding of production, consumption, and distribution of goods and services.

**MCC Dual Government & Economics**

(taken in place of Government / Economics--does not count in high school GPA)

Grade 12

Time: fall semester/spring semester

Credit: ½ credit in each

These are college-level courses in United States Government and Macroeconomics taught by MCC staff who come to our campus. Upon successful completion, student will receive both high school and college credit. Acceptance into the class is determined by MCC admissions after completion of the application process.

# WORLD LANGUAGES

Communication is an extremely important part of modern life. The study of a world language broadens and improves the scope of exchanging ideas with others. It increases an understanding of other cultures, and widens one's understanding of English. In light of the increasingly international changes of our world, a frequent argument in support of U.S. residents knowing a world language is the promotion of international understanding. World language education fosters an expansion of cultural horizons and communication skills necessary for harmonious international relationships.

## **Spanish 1**

(1.0 weighting)

Time: full year

Credit: 1 credit per year

**Strongly recommended:** Exploratory Spanish or delay until 10<sup>th</sup> grade

Spanish 1 students will explore the Spanish speaking world through textbook, audio CDs, DVDs and music. The students learn the beginnings of Spanish language structure built around a basic working vocabulary. The initial emphasis is on acquiring listening and speaking skills; later, acquiring reading and writing skills. A variety of cultural elements will be explored. Native speakers must pre-test for placement above Spanish 1.

## **Spanish 2**

(1.0 weighting)

Time: full year

Credit: 1 credit per year

**Prerequisite:** successful completion of Spanish 1

Spanish 2 students continue to develop their vocabulary, finish the fundamentals of grammar, and acquire further ability to read and write in Spanish. The students will develop the ability to speak and understand the language on a conversational level. Spanish 2 students will utilize a textbook, audio CDs, DVDs and music. Cultural exploration will continue at this level.

## **Spanish 3**

(1.0 weighting)

Time: full year

Credit: 1 credit per year

**Prerequisite:** successful completion of Spanish 2

Spanish 3 students will review grammar elements, build vocabulary and acquire advancing fluency. Stronger emphasis is placed on comprehension of short stories and articles. More attention is placed on spoken Spanish, with specific activities devoted to improving speaking skills. The students also spend time enhancing their writing and listening skills. There is a continuous study of Hispanic/Spanish culture and customs. Spanish 3 students will actively use a textbook, audio CDs, DVDs, music and chapter books. The students must have good study skills and be prepared for increased daily work and study preparation.

## **Spanish 4**

(1.0 weighting)

Time: full year

Credit: 1 credit per year

**Prerequisite:** successful completion of Spanish 3

Spanish 4 students will increase their vocabulary, review all Spanish tenses and moods, sharpen oral presenting skills, enhance both reading and writing skills and improve and expand knowledge and comfort with Spanish for personal use, university placement exams or travel. The students must have good study skills and be prepared for increased daily work and study preparation.

### GERMAN 1,2 & 3

(1.0 WEIGHTING)

Time: full year  
Credit: 1 credit

These courses are designed to present a sequential program of skills development in listening, speaking, reading and writing. Courses include concepts that result in knowledge and awareness of the history and culture of other people. Native language speakers need pre-test for placement above level 1.

## FINE ARTS

### Art 1 (comprehensive)

(1.0 weighting)

Grade: 9-12

Time: full year  
Credit: 1 credit

The first year of high school art is a basic course that provides a foundation for those that follow. The course is primarily devoted to deliberate and systematic presentations of various art processes, procedures, theories, and historical developments.

### Art 2 (comprehensive)

(1.0 weighting)

Grade: 10-12

Time: full year  
Credit: 1 credit  
Prerequisite: Art 1, **teacher approval (Rosas)**

The second year of art continues a basic course providing a foundation for others that follow. While the approach to art experiences during this time is experimental in terms of materials, it is still structured in terms of providing a strong foundation in design, drawing, painting and vocabulary

### Art 3 and 4

(1.0 weighting)

Time: full year  
Credit: 1 credit per year  
Prerequisite: Art 2; **teacher approval (Rosas)**

Third and fourth year students may choose the area or areas of personal interest in which they desire to work in-depth. Students explore increasingly complicated, challenging processes and media.

**Band 1,2,3 and 4**

(1.0 weighting)

Time: full year **(fall semester counts for PE credit; spring semester counts for fine art credit)**

Credit: 1 credit per year

Prerequisite: prior band experience or director approval

Band is an instrumental music class involving a variety of activities and performances throughout the year. Emphasis is placed toward student development on their instrument(s) and their contribution to the performing group as a whole. Students develop skills in playing, marching, performance, organization, responsibility, and team endeavor.

**Choral Music 1,2,3 and 4 (Choir)**

(1.0 weighting)

Time: full year

Credit: 1 credit per year

Choir is a class involving a variety of activities and performances throughout the year. Emphasis is placed toward development of the voice and student contribution to the performing group as a whole. Students develop skills in singing, performance, organization, responsibility, and team endeavor. Students are also offered opportunities for solos, small ensembles, and medium ensembles.

**Theatre 1,2,3, and 4**

(1.0 weighting)

Time: full year

Credit: 1 credit per year

Theatre arts is an activity-oriented course where students will be given opportunities to demonstrate their skills in the following areas: improvisation, mime, voice and diction, acting, using dialects, play production. Students will also study the structure of drama, the various types of drama, the evaluation of drama, and theater history.

**Technical Theatre**

(1.0 weighting)

Grades: 9-12

Time: full year

Credit: 1 credit

Prerequisite: **teacher approval (Wilson)**; strong work ethic & desire to produce quality theatre

This class will focus on the technical part of theatre. Students will learn the general operation of Lorena I.S.D. Performing Arts Center, clean and repair equipment, as well as construct and paint scenery. In addition, students will be responsible for setting up and taking down equipment for programs both school-related and traveling groups. There will also be opportunities for students to operate technical equipment for performances that need trained technicians.

## **Theatre Production I**

(1.0 weighting)

Grades 9-12

Time: full year

Credit: 1 credit

Prerequisite: **teacher approval (Wilson)**; strong work ethic & desire to produce quality theatre

Students learn that all facets of a theatrical production work together to achieve a common goal. Participants will demonstrate personal commitment by preparing for each rehearsal. Students are involved with a specific aspect of the production, such as cast, technical crew, stage manager, stage crew, costume designer, wardrobe mistress, props, set designer, publicity, or support staff. Each student completes assigned tasks, demonstrating individual accountability and necessary skills and techniques. Determining the intent of the playwright and communicating intent to an audience is considered in every production decision that is made. Students will learn the importance of stage production etiquette. Students will participate in critique, listening and commenting to others, and keeping journals or production notebooks. A major facet of this class will be to produce the fall show and the UIL One-Act Play. The placement of this class time could occur before school or during the regular class day.

## PE / HEALTH

### **Athletics 1,2,3 and 4**

(1.0 weighting)

Time: full year

Credit: total of 2 state and remainder local

Prerequisite: **approval of coaching staff**

### **Physical Education**

(required of all students not participating in band or athletics)

(1.0 weighting)

Grade: 9-12

Time: two semesters

Credit: total of 1 credit to be taken at any time during high school.

Physical education instruction includes the following courses: **PE 1A** ( Foundations of Personal Fitness), **PE AA** (aerobic activities), **PEITS** (individual & team sports)

### **Health Education**

(1.0 weighting)

Grade: 9-12

Time: fall or spring

Credit: ½ credit

The health course is designed to provide general instruction in the following areas: wellness, parts & care of body systems, importance of physical fitness, personality development, emotional stability, goal setting, decision-making & consequences, parenting (pregnancy, child birth, legal rights & responsibilities, healthy relationships), nutrition, disease control (communicable, non-communicable, STD's), drugs & addiction (including alcohol & tobacco), environmental health, first aid & safety, and CPR. Health is a condition of complete physical, mental, and social well-being, with emphasis placed equally on all three areas.

# BUSINESS AND COMPUTER TECHNOLOGY

## **Accounting 1**

(1.0 weighting)

Grade: 11-12

Time: full year

Credit: 1 credit

This course gives an overview of the complete accounting cycle for business. The student learns to analyze transactions and apply the analysis to the accounting equation using debits and credits, as well as procedures for cash and banking activities. A simulation on the personal computer will be required. **Course is strongly recommended for those planning a major in business at the community college or university level.** Articulated credit (college credit) can be received at McLennan Community College for this course for juniors or seniors with at least an 80 average.

## **Accounting 2**

(1.0 weighting)

Grade: 12

Time: full year

Credit: 1 credit

Prerequisite: Accounting 1

This is the second year in a sequence of principles of accounting. In it, you will complete your studies of basic financial accounting and move into the basic concepts and computations associated with cost and managerial accounting.

## **Business Information Management 1**

(1.0 weighting)

Grade: 9-12

Time: full year

Credit: 1 credit

Students implement personal and interpersonal skills to strengthen individual performance in the workplace and in society and make a successful transition to the workforce and postsecondary education. Students apply technical skills to address business applications of emerging technologies, create word-processing documents, develop a spreadsheet, formulate a database, and make an electronic presentation using appropriate software. Software used will include Microsoft Office.

### **Web Technologies**

(1.0 weighting)

Grades: 10-12

Time: full year

Credit: 1 credit

Prerequisite: BCIS 1 with "80" average, excellent self-discipline & work habits

Through the study of web technologies and design, students make informed decisions and apply the decisions to the field of information technology. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. Software used may include Microsoft Office, Photoshop, Illustrator, InDesign, Flash and Dreamweaver.

### **Digital and Interactive Media**

(1.0 weighting)

Grades: 10-12

Time: full year

Credit: 1 credit

Prerequisite: BCIS 1, with "80" average, excellent self-discipline & work habits

Through the study of digital and interactive media and its application in information technology, students analyze and assess current and emerging technologies, while designing and creating multimedia projects that address customer needs and resolve a problem. Students implement personal and interpersonal skills to prepare for a rapidly evolving workplace environment. The knowledge and skills acquired and practiced will enable students to successfully perform and interact in a technology-driven society. Students enhance reading, writing, computing, communication, and critical thinking and apply them to the information technology environment. Software used may include Microsoft Office, Photoshop, Illustrator, InDesign, Flash and possibly Dreamweaver.

### **Digital Graphics & Animation**

(1.0 weighting)

Grade: 11-12

Time: full year

Credit: 1 credit

Prerequisite: 80 in BCIS and/or any other previous technology applications course taken in high school

Digital Graphics and Animation is an **introductory** course in design, typography, and imaging techniques. The course includes topics such as digital composition, color, imaging, editing, and animation. An integral component in other areas, understanding design elements is essential in the creation of a successful product in this course. The student will use the computer's set of tools, common to bitmapped and object-oriented software programs, to produce and edit digital designs as well as to incorporate design principles when capturing digital images with the scanner and camera. Animation will be introduced in this course. Students enrolled in this course must be computer literate and extremely self-disciplined.

**Webmastery**

(1.0 weighting)

Grade: 11-12

Time: full year

Credit: 1 credit

Prerequisite: 80 in BCIS and/or any other previous technology applications course taken in high school

This course focuses on scripting, developing searching strategies, publishing skills, and saving information on a web server. Students, within an ethical framework, will develop web mastering skills

## **ELECTIVES**

**Bible Literacy**

(1.0 weighting)

Grades 11-12

Time: one semester (fall or spring)

Credit: ½ credit

Prerequisite: none

This course is an academic study of the Bible, taught objectively and should neither promote nor disparage religion. It is based on the belief that studies about religion are an important part of a complete education.

**Teen Leadership**

(1.0 weighting)

Grades 11-12

Time: one semester (fall) or one year

Credit: ½-1

Prerequisite: none

This course teaches students to discover their own self-worth and approach life prepared to achieve. The focus is on personal responsibility and leadership skills developed through role play, group activities, speeches and projects.

## FAMILY & CONSUMER SCIENCES

(see course of study at back of packet)

### **Principles of Human Services**

(1.0 weighting)

Grade: 9-12 (suggested 9th)

Time: fall and spring semesters

Credit: 1 credit

This laboratory course will enable students to investigate careers in the *human services career cluster*, including counseling and mental health, early childhood development, family and community, and personal care services.

Formerly: PFD

### **Lifetime Nutrition & Wellness**

(1.0 weighting)

Grade: 10-12

Time: Fall & Spring Semester

Credit: 1 credit

Recommended Prerequisite: Principles of Human Services.

This laboratory course allows students to use principles of lifetime wellness and nutrition to help them make informed choices that promote wellness as well as they pursue careers related to hospitality and tourism, education and training, human services, and health sciences. Laboratory experiences will focus on the integration of nutrition and wellness knowledge with basic food preparation and management skills.

Formerly: Food Science & Nutrition / Food Science & Technology

### **Child Development**

(1.0 weighting)

Grade: 10-12

Time: Fall & Spring

Credit: 1 credit

Recommended prerequisite: Principles of Human Services.

This course addresses knowledge and skills related to child growth and development from prenatal through school-age children, equipping students with child development skills. Students use these skills to promote the well-being and healthy development of children and investigate careers related to the care and education of children.

### **Counseling and Mental Health**

(1.0 weighting)

Grade 10 -12

Time: Full year (no mid-year entry)

Credit: 1

Recommended prerequisite: Principles of Human Services.

Students model the knowledge and skills necessary to pursue a counseling and mental health career through simulated environments. Students are expected to apply knowledge of ethical and legal responsibilities, limitations, and the implications of their actions. Professional integrity in counseling and mental health care is dependent on acceptance of ethical and legal responsibilities.

### **Practice in Education and Training**

(1.0 weighting)

Grade: 11-12

Time: Full year (no mid-year entry)

Credit: 1 credit

Recommended prerequisite: Parenting and Child Development. Teacher approval/Holton; **application**

Practice in Education and Training is a field-based internship that provides students with background knowledge of child and adolescent development as well as principles of effective teaching and training practices. Students work under the joint direction and supervision of both a teacher with knowledge of early childhood education and exemplary educators in direct instructional roles with primary, elementary, middle school-, and high school-aged students. Students learn to plan and direct individualized instruction and group activities, prepare instructional materials, develop materials for educational environments, assist with record keeping, and complete other responsibilities of teachers, trainers, paraprofessionals, or other educational personnel. After passing an online test, students will have a substitute and Classroom aid certificate. **Formerly Ready, Set, Teach**

### **Career Preparation (CP 1)**

(1.0 weighting)

Grade: 12

Time: full year (no mid-year entry)

Credit: 3 credits

Prerequisite: application & **teacher approval (Holton)**

This course provides a curriculum designed for employment training in all vocational areas. The course allows students to explore career opportunities and learn basic concepts regarding occupational expectations in the individual's chosen area. Instruction will also be provided concerning job application and interview, communication skills and business work ethnics. To be admitted into the DCP course, a student must make an application and be approved by the DCP instructor. Students must be employed at an approved training station and work fifteen hours a week. Monitoring of the student's progress will be done on a periodic basis by the instructor.

## **Agricultural Science**

**(See course of study in back of packet)**

### **Introduction to Agriculture**

**1 credit**

**Grades 9-12**

*(Must be taken prior to enrolling in any other ag class)*

When you step foot into Intro to Ag, you will learn to be prepared for the future ahead of you for careers in plant and animal systems and ag mechanics. You will even get the chance to work safely in the shop building projects. You will develop leadership qualities unsurpassed by no other. This is a fun-filled class that will provide knowledge to ensure the success of your FUTURE!

### **Professional Standards in Agribusiness**

**1 credit**

**Grades 10-12**

Have you ever wondered how CEO's got to where they are today? This course will focus on all things related to obtaining a job. From preparing a résumé to interviewing like a champion, you will demonstrate professional development dealing with effective leadership in agribusiness. Get your creative juices flowing and explore occupations in the field of agriculture focusing on effective communication techniques and leadership habits.

### **Agribusiness Management & Marketing**

**1 credit**

**Grades 11-12**

Are you interested in a career in advertising or public relations? This class provides a foundation to Ag-Management and free enterprise and introduces the use of economic principles such as demand, budgeting, record keeping, finance, risk management, business law, marketing and careers in agribusiness. You will demonstrate knowledge of personal, occupational health and safety practice in work responsibilities and good citizenship and recognize teams, work units, departments, organization, inter-organizational systems and large environments. This class will help you develop a personal economic philosophy and marketing plans. By taking this class you will see the world of opportunities waiting for your future in managing an agricultural business lifestyle making you aware of the situations you may be involved in the Agricultural management and Marketing industry.

### **Small Animal Care**

**1 credit**

**Grades 10-12**

Small Animal Care will prepare students for careers in the field of animal science. The class explains and describes the importance of responsible small animal ownership. During this course, students learn the hazards associated with working in the small animal industry. The students evaluate current topics in animal rights and animal welfare. Also students learn the care and management requirements for a variety of small animals. Pupils will also examine career opportunities in small animal management, while learning employability characteristics for being a successful employee.

### **Veterinary Medicine**

**1 credit**

**Grades 11-12**

**Prerequisite: Small Animal Care or Animal Science**

Looking for a career in animal science? Well, this class offers a hands-on experience to veterinary practices related to both large and small animals. To prepare you for success, this course supplies you with the skills and knowledge related to the workplace and the animals there. We will cover treatment of injuries, digestive and reproductive systems as well as diagnosing illnesses.

## **Agricultural Mechanics and Metal Technologies**

**1 credit**

**Grades 10-12**

This project-based course will prepare for you careers in agriculture structures, power and technical systems. This class will cover employability skills and you will develop an improved supervised agriculture experience program. We will cover properties of electricity, plumbing, carpentry and concrete. We will focus on cold and hot metal techniques and metal merging techniques.

## **Ag Facilities Design and Fabrication**

**1 credit**

**Grades 11-12**

To be prepared for careers in agricultural power, structural, and technical systems, students need to attain academic skills and knowledge; acquire technical knowledge and skills related to power, structural, and technical agricultural systems and the industry; and develop knowledge and skills regarding career opportunities, entry requirements, industry certifications, and industry expectations. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer knowledge and skills and technologies in a variety of settings. This course is designed to develop an understanding of agricultural mechanics as it relates to safety and skills in tool operation, electrical wiring, plumbing, carpentry, fencing, concrete, and metal working techniques.

## **Livestock Production**

**1/2 Credit**

**Grade 10-12**

Animals that will be discussed in this class include but are not limited to beef cattle, dairy cattle, swine, sheep, goats and poultry. The students are expected to demonstrate a variety of skills dealing with genetics and reproduction. The animal science industry is changing and growing faster than ever. Join in on this dynamic business operation!

## **Equine Science**

**1/2 Credit**

**Grades 10-12**

Do you like horses? Then this is the class for you! Equine Science will prepare you for careers in animal science and animal systems. You will develop knowledge and skills regarding career opportunities, entry requirements, and industry expectations through extensive projects. The class will emphasize the selection of horses, nutrition, management of horses, compare and contrast industries, learn skills to be a good employee and experience all things related to agriculture, food and natural resources.

## **Practicum in Agriculture**

**3 Credits**

**Grade: 12**

**Prerequisite: 2 credits of ag classes prior; application required**

This course allows students to participate in a coherent sequence of career and technical education courses in the Agriculture, Food, and Natural Resources cluster. The student will be expected to demonstrate professional standards, leadership and teamwork skills, oral and written communication skills, and develop management skills for agricultural resources. For this course the student will also be able to demonstrate technical knowledge and skills required to pursue a career in agriculture. Finally, the student will document technical knowledge and skills in a portfolio to demonstrate what they have learned throughout the year.