

McPherson High School Curriculum Guide

*2019 ~ 2020
School Year*

As of 5/16/2019
Version I



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ACKNOWLEDGMENTS

The McPherson High School Curriculum Guide was accomplished by the efforts of teachers, administrators, and counselors.

McPherson USD 418 does not discriminate on the basis of race, color, national origin, sex, age or handicap in admission or access to, or treatment of employees or students in its programs and activities. Questions regarding the above should be directed to the Superintendent of Schools, 514 North Main, McPherson, Kansas 620-241-9400.

The Board of Education recently approved a \$50.00 Participation Fee for students in the following KSHSAA sponsored activities:

Athletics/All Sports
All Band Classes
Cheer
Debate
Forensics
Hi-Steppers
Orchestra
Scholars Bowl
All Vocal Music Classes

If your student is involved in any of these activities, they are required to pay the fee. Please note; students do not pay both Activity Fee and Participation Fee.

The following guidelines apply:

Full Pay Lunch Status: Participation Fee is \$50.00
Reduced Lunch Status: Participation Fee is \$35.00
Free Lunch Status: Participation Fee is Free

This fee must be paid prior to the student participating in any KSHSAA Competition.

SENIORS

2020 Senior Graduation Requirements

26 Credits for Grades 9 through 12
(15 required credits and 11 elective credits)

English Language Art4.0

Social Science3.0

Science.....3.0

Mathematics.....3.0

Physical Education1.0
Health, which is included in PE I and SPS-H, is required by the State of Kansas.

Fine Arts.....1.0

Elective Credits11.0

WorkKeys.....Silver Level or Above

Community Service 40 + Hours

JUNIORS

2021 Senior Graduation Requirements

26 Credits for Grades 9 through 12
(15 required credits and 11 elective credits)

English Language Arts	4.0
Social Science	3.0
Science	3.0
Mathematics	3.0
Physical Education	1.0
Health, which is included in PE I and SPS-H, is required by the State of Kansas.	
Fine Arts	1.0
Elective Credits	11.0
WorkKeys	Silver Level or Above
Community Service	40 + Hours

SOPHOMORES

2022 Senior Graduation Requirements

26 Credits for Grades 9 through 12
(15 required credits and 11 elective credits)

English Language Arts	4.0
Social Science	3.0
Science	3.0
Mathematics	3.0
Physical Education	1.0
Health, which is included in PE I and SPS-H, is required by the State of Kansas.	
Fine Arts	1.0
Elective Credits	11.0
WorkKeysSilver Level or Above
Community Service	40 + Hours

FRESHMEN

2023 Senior Graduation Requirements

26 Credits for Grades 9 through 12
(15 required credits and 11 elective credits)

English Language Arts	4.0
Social Science	3.0
Science	3.0
Mathematics	3.0
Physical Education	1.0
Health, which is included in PE I and SPS-H, is required by the State of Kansas.	
Fine Arts	1.0
Elective Credits	11.0
WorkKeys	Silver Level or Above
Community Service	40 + Hours

Dual Credit Course Descriptions

Dual Credit College Classes offered at MHS

McPherson High School offers the following dual credit courses through Hutchinson Community College:

- College Algebra
- College Composition I
- College Composition II
- College Spanish
- College Statistics
- Public Speaking

For students to receive the dual credit option, they must meet the guidelines established by the college granting the credit. These include: meeting minimum test requirements, enrollment in the course through the college, payment of tuition and fees. Students are responsible for the purchase of any and all textbooks and materials for the course.

College Experience Classes (offsite)

Students may enroll in college courses not taught for dual credit at MHS. Such courses would be the responsibility of the student. Students enrolled in these courses are given time during the school day to work on course work. Enrolled students must provide documentation of enrollment into the class, mid-term grade check and final grade earned. All tuition, fees, enrollment forms, books etc. are the responsibility of the student.

Excel in CTE (SB 155)

Career and Technology Education (CTE) courses may have college credit opportunities. Students enrolled in CTE courses at MHS will be given the option of enrolling in the course for college credit. Tuition is waived for these classes by the college (traditionally through Hutchinson Community College for McPherson High School students). Students are responsible for textbooks and any additional fees. Course names for college courses may differ from High School Course names. Students who are new residents to Kansas may not be eligible to receive funding through Senate Bill 155. You may find more information on Senate Bill 155 now known as Excel in CTE at:

https://www.kansasregents.org/workforce_development/excel_in_career_technical_education_initiative_senate_bill_155

CTE PATHWAYS

INTRODUCTORY LEVEL COURSE: An introduction to a specific or multiple pathways that require similar foundation knowledge and skills. Taken prior to technical and application level courses.

TECHNICAL LEVEL COURSE: A course that builds on the knowledge and skills learned in the introductory level course, with a focus on acquiring practical skills specific to the pathway.

APPLICATION LEVEL COURSE: An advanced level course that builds on the technical level.

***Agriculture Science**

Exploring Ag Science - Introductory
Bio Horticulture/Plant & Soil Science- Technical
Bio Vet. Of Animal Science - Technical
Agriculture Business - Application

***AV Communications**

Business Essentials- Introductory
Computer Applications H.S. - Introductory
Modern Journalism I- Technical
Modern Journalism II- Technical
Photography- Technical
Design- Technical
Adv. Broadcast & Video Prod-Application
Adv. Journalism & Digital Production-
Application
Project Management & Resource Scheduling-
Application

***Business Finance**

Business Essentials- Introductory
Sports Marketing
Accounting I- Technical
Entrepreneurship- Technical
Personal Finance - Technical
Computerized Accounting II- Application
Accounting Work Exp. I & II (OJT)
Other Business Finance Courses:
Computer Applications HS

***Construction And Design**

Construction Strand
Introduction to Industrial Technology-
Introductory
Basic Drafting Experiences- Introductory
Building Trades- Technical
Cabinet Making
Carpentry Tech I- Application
Advanced Carpentry Tech- Application
Design Strand
Introduction to Industrial Technology-
Introductory
Basic Drafting Experiences- Introductory
CAD I- Technical
CAD II- Technical
CAD III- Application
Interior Design - Application

***Engineering & Technology**

Introduction to Engineering

***Family & Community Services**

Prep for College Work and Family- Introductory
Nutrition & Wellness I- Technical
Family Studies- Technical
Parenting & Child Dev.- Technical
Personal Finance - Technical
Career Connections- Application
Community Connections – Application
Teaching As A Career
Other Family & Community Services Courses:
Interior Design
LeadWorthy
Textile Construction
Nutrition & Wellness II

***Government**

Intro to Government (8th) – Introductory
Prep for College Work & Family – Introductory
Accounting I - Technical
American Government – Technical
Parenting & Child Dev. -Technical
Career Connections- Application
Community Connections – Application
Business Law

***Health Science**

Biology - Introductory
Chemistry - Introductory
Health Science I- Introductory
Health Science II- Technical
Anatomy & Physiology - Technical
AP Biology - Technical
Forensic Science
Nutrition & Wellness I- Technical
Health Science III- Application
Health Science IV- Application
Project Management & Resource Scheduling
Other Health Science Courses:
Nutrition & Wellness II

***Mobile Equipment Maintenance**

Business Essentials - Introductory
Introduction to Industrial Technology-
Introductory
Entrepreneurship - Technical
Consumer Auto Care
Automotive Tech I- Technical
Automotive Tech II- Application
Automotive Tech III- Application
Other Mobile Equipment Maintenance
Robotics

***Power, Structural & Technical Systems**

Exploring Ag Science - Introductory
Production Welding I -Technical
Production Welding II - Application
Agricultural Business – Application
Other Power Structural & Technical Systems
Courses:
Introduction to Industrial Technology

***Production**

Introduction to Industrial Technology-
Introductory
CAD I- Technical
Production Welding I -Technical
Production Welding II – Application

***Teaching / Training**

Prep for College Work and Family- Introductory
Parent & Child Development- Technical
Ex. Teaching as Career- Technical
Family Studies- Technical
Teaching Internship- Application

***Visual Arts**

Computer Applications H.S. – Introductory
Prep For College, Work & Family– Introductory
Art I – Technical
Design – Technical
Photography – Technical
Project Management & Resource Scheduling-
Application
Career Connections- Application
Community Connections – Application
Interior Design
Textile Construction

CTE **Agriculture Science Pathway** **Course Descriptions**

INTRODUCTORY LEVEL COURSES

EXPLORING AGRICULTURE SCIENCE--Credit 1.0

Grades 9-12

This one-hour course introduces the student to all of today's agriculture areas including environmental technology and natural resource management (*i.e.* soil and water conservation, wildlife management, etc.), plant and animal sciences (*i.e.* crop and vegetable production, livestock and pet production, catfish farming, etc.), landscaping and horticulture and food production.

TECHNICAL LEVEL COURSES

BIOLOGY OF HORTICULTURE/PLANT & SOIL SCIENCE --Credit 1.0

Grades 10-12

In this course, students will utilize the school greenhouse to study plant propagation, flower and vegetable production and green house watering. Students will participate in designing and building landscapes for local residents, field excursions to fairs, contests, field days and related FFA activities. Those individuals who desire a career in production agriculture, Ag sales and services, crop management, and other agriculture-related areas would benefit from this course. Also students who plan on attending colleges or vocational schools to study in the area of crop production or horticulture would benefit. This course may also count as a local science credit.

BIOLOGY OF VETERINARY ANIMAL SCIENCE--Credit 1.0

Grades 10-12

This course is the studies of the basic systems and parts of an animal's body (anatomy and physiology), feeding, health care, and reproduction, marketing, judging and showing. Emphasis will be placed on species such as dogs, cats, sheep, cattle, horses and swine. Students will participate in field excursions to shows, contests, field days and related FFA activities. Students interested in the following careers would benefit from this course: veterinary medicine, animal scientist, farming or ranching, county extension work, Vo-Ag teaching, agriculture journalism, agriculture economics, or agricultural supply and processing. This course may also count as a local science credit.

APPLICATION LEVEL COURSES

AGRICULTURAL BUSINESS--Credit 1.0

Grade 12

Teacher Approval

This course provides students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. Topics covered such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem solving and decision making skills, study of agricultural commodities, and building personal leadership skills. This course may also incorporate a survey of the careers within the agricultural industry and independent student projects.

CTE

AV Communications Pathway

Course Descriptions

INTRODUCTORY LEVEL COURSES

BUSINESS ESSENTIALS--Credit 0.5

Grades 9-12 (Spring Only)

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, 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.

COMPUTER APPLICATIONS H.S. --Credit 1.0

Grades 9-12

Emphasis will be placed on reviewing the proper techniques of keyboarding, the basic functions of Microsoft Word 2007 for Windows software, and production of business correspondence and documents. Students will also learn some of the fundamentals of the PowerPoint presentation software. Both programs will be useful throughout the student's high school career and beyond. (May take in the fall only for ½ credit)

TECHNICAL LEVEL COURSES

MODERN JOURNALISM I AND II--Credit 1.0

Grades 9-12

Recommended for students wishing to consider a position on the *High Life* or Bullpup Staff or desiring to put their English skills into practical usage. Included are skills designed to teach news, feature, editorial, and sports writing, as well as photo planning and taking. Also included are techniques associated with the selling and designing of advertisements, designing layouts and yearbook theme development.

PHOTOGRAPHY--Credit 0.5

Grades 11-12

Prerequisite: Juniors or Seniors who have completed Art 1

Photography is explored as an art form. Composition is emphasized. Learning about the use of the camera and the technical introduction to black and white photography includes developing film and printing the positive image from the negatives. Projects include color tinting, solarization, montage, light drawing, etc. Introduction to digital photography and PhotoShop will also occur. Photography will benefit everyone who takes photographs as a hobby, or pursues it professionally as a journalist, commercial artist or studio photographer.

DESIGN--Credit 0.5

Grades 9-12

Prerequisite: Art 1

Design is the study of two-and three-dimensional organization in the development of visual idea. Some of the following areas are studied: textile design, pattern development, positive-negative relationships, commercial design, lettering, advertising, and illustration. Craftsmanship and presentation are emphasized. To receive credit for the course a student must: Complete all required projects and written work, take notes, Purchase required supplies: pencils, erasers, ruler, compass, etc. Students interested in all commercial art and advertising design fields, as well as those interested in all areas of fine arts, would benefit from this course.

APPLICATION LEVEL COURSES

ADVANCE BROADCAST & VIDEO PRODUCTION--Credit 1.0

Grades 10-12

Prerequisite: Complete Modern Journalism I & II and Teacher Approval

Students use skills learned in Modern Journalism to produce broadcast. Writers, anchors, on-the-air reporters, directors, camera technicians and equipment crewmembers are needed. Students must be trustworthy and cooperative and have excellent school attendance to be chosen for this class. All students must film outside of class activities each grading period. Interested students should take Modern Journalism as early as possible in high school. Students will be expected to develop project treatments and storyboards, write shooting scripts, record and edit video projects. Selected video projects, depending on their quality, may be broadcasted within the school district and on the local cable access channel. Students may enroll as often as they desire provided that space is available and they have the instructor's permission. Repeat students will be expected to compete the normal class assignments and act as project leaders to aid other students in their learning. They may also be given alternate assignments based on their previous mastery of the subject matter. Students are expected to be strongly self-motivate, capable of working independently on in small groups.

ADVANCED JOURNALISM & DIGITAL PRODUCTION--Credit 1.0

Grades 10-12

Prerequisite: Instructor approval; Complete Modern Journalism I & II

This is a full-year course for qualified sophomores, juniors, and seniors who have taken Modern Journalism, who are recommended by the adviser, and who wish to become actively involved in the development and production of the online school newspaper. This course is strictly a production-type course and require hours of outside school time, in addition to class time. (If the advisor has recommended the student, Newspaper Journalism may be waived.)

PROJECT MANAGEMENT & RESOURCE SCHEDULING--Credit 1.0

Grades 10-12

Prerequisite: Instructor approval; Complete Modern Journalism I & II, other requisites in Visual Arts CTE Pathway

This is a full-year course and provides students with the information and skills necessary for success in managing project and operating logistical ventures in technology, business, and industry. This course covers scheduling of resources (including personnel, budget, timelines, and equipment), utilization of Gantt charts, economic principles within the workplace, and risk management. Other possible topics include developing a business plan, finance, business law, marketing and promotion strategies, insurance employee/employer relations, problem-solving and decision-making, and building leadership skills. These courses may also incorporate a survey of the careers within technology and engineering industries.

CTE

Business Finance Pathway

Course Descriptions

INTRODUCTORY LEVEL COURSES

BUSINESS ESSENTIALS—Credits 0.5

Grades 9-12 (Spring Only)

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, 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.

TECHNICAL LEVEL COURSES

ACCOUNTING I--Credit 1.0

Grades 10-12

Known internationally as the language of business, Accounting I is a must for all students interested in a business career. Students will learn to keep business records for service and merchandising businesses owned by sole proprietors, partners, and corporations. Instruction will focus on progression through the accounting cycle manually and will be reinforced using computers. An additional fee for consumables is charged for this class.

ENTREPRENEURSHIP--Credit 0.5

Grades 10-12 (Fall Only)

Prerequisite: Business Essentials

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

SPORTS AND ENTERTAINMENT MARKETING --Credit 0.5

Grades 10-12

Prerequisite: Business Essentials

This is a specialized class designed to offer students an opportunity to gain knowledge and develop skills related to the growing sports and entertainment industry. Students will develop skills in the areas of consumer behavior, merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, and career opportunities as they relate to the sports and entertainment industry. This class will sharpen students skills for critical thinking and effective communication.

PERSONAL FINANCE--Credit 0.5

Grades 10-12

One of the most important skills needed to be successful in life is proper financial management. Personal Finance empowers students to make sound financial decisions for life. The course is designed around the teachings of Dave Ramsey, an extremely popular talk-radio host known for his ability to help people with their money management. Topics include: Super Savers, Dumping Debt, Buyer Beware, Cash Flow Planning, Understanding Investments and others. The student will gain an increased awareness of the financial work around them, enhancing their opportunity to live in financial peace.

APPLICATION LEVEL COURSES

COMPUTERIZED ACCOUNTING II--Credit 1.0

Grades 11-12

*Prerequisite: Accounting I - *All students interested in OJT Accounting Work*

Experience I or II must maintain at least a "B" average in Computerized Accounting II and be accepted by an application and interview process. This course will prove very beneficial to those students interested in pursuing an accounting or other business degree. Instruction will detail many of the concepts introduced in Accounting I such as prepaid and accrued expenses and income, interest and taxes, cost accounting, valuation of plant assets, and analysis of financial statements. Instruction will focus on the manual completion of problems and will be reinforced using accounting software. An additional fee for consumables is charged for this class.

ACCOUNTING WORK EXPERIENCE I & II (OJT) --Credit 1.0

Grade 12

Prerequisite: Accepted students must also be enrolled in Computerized Accounting II and maintain at least a "B" average. Instructor Approval

All students interested in these classes must be accepted into the program by an application and interview process. This is conducted in the spring, prior to enrollment for the fall semester. Applications for acceptance need to be sent to the Business Department and interviews will then be scheduled. If accepted, students will be released from MHS one to two hours per school day to go to school approved businesses. These students will be placed in approved workstations based on their interests and aptitudes. Only the students who go directly to work from school will be released during the school day. Students at approved workstations, but not needed until after school hours, will not be released from school and should be enrolled in the full school schedule. Students are required to remain employed during the entire school year. OJT Accounting Work Experience I is provided for students who will work one school class hour. OJT Accounting Work Experience II is provided for students who will work two school class hours. Students enrolled in OJT Accounting Work Experience may not be enrolled concurrently in Office Aide, teacher Aide, Library Aide, PE Leader, Psych Lab or Internship.

OTHER BUSINESS COURSES

COMPUTER APPLICATIONS H.S. --Credit 1.0

Grades 9-12

Emphasis will be placed on reviewing the proper techniques of keyboarding, the basic functions of Microsoft Word 2011 for MAC software, and production of business correspondence and documents. We will also learn some of the fundamentals of the PowerPoint presentation software. Both programs will be useful throughout the student's high school career and beyond. (May take in the fall only for ½ credit).

CTE

Construction & Design Pathway

Course Descriptions

Construction Strand

INTRODUCTORY LEVEL COURSES

INTRODUCTION TO INDUSTRIAL TECHNOLOGY--Credit 1.0

Grade 9-12

An introductory course designed to give students the basic skills necessary for occupations in the Drafting, Construction, Manufacturing/Welding and Transportation areas. The class is broken into two pieces, each with its own components. The first piece is drafting/construction, where students spend nine weeks learning the basics of drafting and how it relates to construction. The second nine weeks focuses on basic construction skills. The second piece to this class finds students spending nine weeks learning automotive basics and nine weeks delving into welding and manufacturing. Students will receive instruction from four different teachers while in this yearlong course.

BASIC DRAFTING EXPERIENCES--Credit 1.0

Grades 10-12

This course is designed to acquaint the student with the processes, equipment, and information used in a traditional drafting field. This information is necessary to help a student move on into the world of computer-aided drafting (CAD) and function successfully there. Areas to be covered include: equipment usage, lettering, multi-view drawing, dimensioning, section views, pictorial drawings, threads and fasteners, revolved and auxiliary views, and transitions. An additional fee for consumables is charged for this class.

TECHNICAL LEVEL COURSES

BUILDING TRADES--Credit 1.0

Grades 10-12

Prerequisite: Intro to Industrial Technology, Basic Drafting Experience, or upper-level status with approval

This one-hour course introduces the student to all of the major residential construction areas including the safe use and care of tools, basic blueprint interpretation, principles of concrete construction, floor systems, wall construction, framing ceilings and roofs, shingling, exterior materials and finishes, cabinet estimating and design, interior finish work, electrical wiring, plumbing, and heating and cooling. Students will learn self-improvement and communication skills. Participation in the Skills USA student organization is strongly recommended. The student must provide safety glasses, a nail apron, a hammer, a 20' or longer tape measure, a pair of pliers, screwdrivers, a retractable utility knife and carpenter pencils. This course is a prerequisite for course Carpentry Technology. For seniors, enrollment is by consent of the instructor. An additional fee for students' safety equipment is charged for this class.

CABINET MAKING—Credit--0.05

Grades 11-12

Prerequisite: Building Trades

This class includes: cabinet design, construction and installation. Students will learn materials (type and estimation), appliance requirements, cabinet layout (including joint selection and construction), countertop cutting, and assembly techniques. Students will build shelves, drawers, and door; look at special features surface preparation; students will do staining, finishing, and hinge design. There will also be hardware application.

APPLICATION LEVEL COURSES

CARPENTRY TECHNOLOGY I--Credit 1.0

Grades 11-12

Prerequisite: Building Trades and teacher approval

This one or two-hour carpentry lab is designed to provide the student with job related skills necessary for entry-level employment in the residential construction industry. Intermediate level skills will be stressed in the areas of tool preparation and care, blueprint interpretation, foundation construction, floor system construction, wall system construction, ceiling and roof design and construction, roof component construction, exterior finishing materials, cabinet construction and installation, and interior finish work. An appreciation for good work habits, pride in the trades, and workmanship excellence is a major objective of the course. A two or three bedroom house will be constructed from blueprint reading to finish as a class project. Participation in the Skills USA student organization is strongly recommended. The students must provide safety glasses, a nail apron, a hammer, a 20' or longer tape measure, a pair of pliers, screwdrivers, a retractable utility knife, and carpenter pencils. Enrollment in this class is only by written consent of the instructor. This course is a prerequisite for course Advanced Carpentry Technology. An additional fee for students' safety equipment is charged for this class. Students will be admitted only with permission of instructor.

ADVANCED CARPENTRY TECHNOLOGY --Credit 1.0

Grades 12

Prerequisite: Carpentry Technology I and teacher approval

This one or two-hour carpentry lab is designed to provide the students with job related skills necessary for advanced placement in the residential construction industry, or to prepare the student for further education at a technical school, community college or university. Advanced level skills will be stressed in the areas of tool use and care; blueprint interpretation; design, layout, and construction; wall systems design, layout construction; roof component design and installation, exterior materials and finishes, cabinet design, layout, construction and installation; interior finish work; and stairway layout and construction. Working within a team will be stressed in this program. A two or three bedroom house will be constructed as a class project. Participation in the Skills USA student organization is strongly recommended. The student must provide the same tools for this class as Carpentry Technology. Enrollment in this class is only by written consent of the instructor. An additional fee for students' safety equipment is charged for this class. Students will be admitted only with permission of instructor.

Design Strand

INTRODUCTORY LEVEL COURSES

INTRODUCTION TO INDUSTRIAL TECHNOLOGY--Credit 1.0

Grade 9-12

An introductory course designed to give students the basic skills necessary for occupations in the Drafting, Construction, Manufacturing/Welding and Transportation areas. The class is broken into two pieces, each with its own components. The first piece is drafting/construction, where students spend nine weeks learning the basics of drafting and how it relates to construction. The second nine weeks focuses on basic construction skills. The second piece to this class finds students spending nine weeks learning automotive basics and nine weeks delving into welding and manufacturing. Students will receive instruction from four different teachers while in this yearlong course.

BASIC DRAFTING EXPERIENCES--Credit 1.0

Grades 10-12

This course is designed to acquaint the student with the processes, equipment, and information used in a traditional drafting field. This information is necessary to help a student move on into the world of computer- aided drafting (CAD) and function successfully there. Areas to be covered include: equipment usage, lettering, multi-view drawing, dimensioning, section views, pictorial drawings, threads and fasteners, revolved and auxiliary views, and transitions. An additional fee for consumables is charged for this class.

TECHNICAL LEVEL COURSES

COMPUTER-AIDED DRAFTING I--Credit 1.0

Grades 10-12

Prerequisite: Basic Drafting Experience or Introduction To Industrial Technology

This course is designed to introduce the student to basic computer-aided drafting theory. In this class, the student will be introduced to the AutoCAD software and taught basic command structures and sequences. The student will learn how to apply these commands to complete various activities successfully. Areas to be covered include: system component identification, start-up and shutdown sequences, hands-on component usage, menu selection, and command location and usage. An additional fee for consumables is charged for this class.

COMPUTER-AIDED DRAFTING II--Credit 1.0

Grades 10-12

Prerequisite: Basic Drafting Experience and CAD I

This course is designed to allow the advanced computer-aided drafting student to utilize the information mastered in previous drafting and CAD courses to design and complete a set of house plans. Problem solving and creative thinking skills are to be stressed. The student will be expected to follow a set of specifications and design a residential structure to meet those specifications. The student will be encouraged to use his/her individual taste when designing the structure. Areas to be covered include: floor plans, basement plans, elevations, sectional views, and perspectives and plot plans. An additional fee for consumables is charged for this class.

APPLICATION LEVEL COURSES

COMPUTER-AIDED DRAFTING III--Credit 1.0

Grade 12

Prerequisite: CAD II

This course is designed for the senior level/program completer students. Successful completion of the three previous drafting courses is required. In this course, the student will be exposed to a variety of software packages. He/she will be expected to become conversant in each area to the point of being able to complete drawing assignments in each one as assigned. Students will also be expected to write evaluations of each software with regards to ease of use, price, and applicability to various situations. An additional fee for consumables is charge.

INTERIOR DESIGN--Credit 0.5

Grade 11-12

An application level course designed to instruct students in skills necessary to design interior spaces that apply design elements and principles to spaces for residential and special needs (e.g. single family homes, multi-family structures, homes for special needs, child care centers, retirement homes, etc.) Topics will include meeting clients needs, legislated codes, historic considerations, current and future trends, and public policy.

CTE
Engineering and Technology Pathway
Course Descriptions

INTRODUCTORY LEVEL COURSES

Exploring Engineering--Credit 0.5
Grades 9-12

Introduction to Engineering is a high school level course that is appropriate for students who are interested in engineering. The primary focus is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Introduction to Engineering allows students to develop skills and understanding of course concepts through activity-, project-, and problem-based learning. Used in combination with a teaming approach, learning challenges students to continually hone their interpersonal skills, creative abilities, and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education.

CTE
Family and Community Services Pathway
Course Descriptions

INTRODUCTORY LEVEL COURSES

PREPARING FOR COLLEGE, WORK & FAMILY--Credit 0.5
Grades 9-12

This course will help students develop skills and strategies, which are helpful to become more focused, productive individuals. The course consists of three six-week units: Preparing for College, Preparing for Work and Preparing for Family, (includes Real Care Baby Assignment). The course emphasizes: goal setting, decision making, time management and energy and stress management. The class will study personality, values, partner selection, personal and family relationships, finances and balancing work and family. Students may also explore values career choices. Students will begin developing a career portfolio.

TECHNICAL LEVEL COURSES

NUTRITION AND WELLNESS I --Credit 0.5
Grades 9-12

Prerequisite: Preparing for College, Work, and Family

Focusing on the pyramid, this class involves the study, selection, and preparation of four of the five food groups. Food sanitation principles are explored and followed in all laboratory situations. Basic food preparation techniques are incorporated with an emphasis on correct measuring and applied math. Positive mealtime behaviors and manners are practiced. Shopping for food, label reading, and nutrition are included in all units. An additional fee for consumables is charged for this class.

FAMILY STUDIES – Credit 0.5
Grades 11-12

Family Living courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. They may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

PARENTING AND CHILD DEVELOPMENT--Credit 0.5

Grades 10-12

Prerequisite: Preparing for College, Work and Family

This course is designed to help students understand how children grow and develop. The child from conception to the age of six years will be studied and observed as to its social, emotional physical and mental development. Focus is placed on our changing society and the role of the family in it. The option and responsibilities of positive parenthood are investigated. Activities will include independent investigation, guests of all ages, a parenting simulation experience, and interaction with preschoolers. Vocations involving young children are also explored.

LEADWORTHY—Credit 0.5

Grades 9-12

During this year-long course, students will develop a healthy self-concept, healthy relationships, and a sense of personal responsibility; understand emotional intelligence and the skills it measures, including self-awareness, self-control, self-motivation, and social skills; build skills in public speaking and communication, as well as develop an understanding of personal image; understand how to manage and positively channel the power of social media; develop an understanding of principle-based decision-making; learn to make responsible dietary, fitness, and financial decisions; recognize and resist peer pressure; develop bullying prevention and defending skills; learn to become better family members and citizens; appreciate the need for vision and goal-setting, both personally and professionally; and, develop leadership skills through practiced community service.

PERSONAL FINANCE--Credit 0.5

Grades 10-12

One of the most important skills needed to be successful in life is proper financial management. Personal Finance empowers students to make sound financial decisions for life. The course is designed around the teachings of Dave Ramsey, an extremely popular talk-radio host known for his ability to help people with their money management. Topics include: Super Savers, Dumping Debt, Buyer Beware, Cash Flow Planning, Understanding Investments and others. The student will gain an increased awareness of the financial work around them, enhancing their opportunity to live in financial peace.

APPLICATION LEVEL COURSES

CAREER CONNECTIONS--Credit 0.5

Grades 11-12

Prerequisite: Preparing for College, Work and Family OR Counselor recommendation.

This class gives juniors and seniors an opportunity to experience four different careers including jobs in a human services career. Students are responsible (with suggestions from the instructor) for making arrangements with a business/organization for each professional learning experience. Students will complete accurate work and reporting documents, which are submitted in a timely manner to appropriate supervisors. Students will leave the class with a portfolio designed to help them with job and scholarship applications.

COMMUNITY CONNECTIONS--Credit 0.5

Grades 11-12

Prerequisite: Preparing for College, Work and Family OR Administrator/Counselor recommendation.

This class gives juniors and seniors an opportunity to gain work experience (paid or unpaid) outside the traditional classroom setting, in one or more workplace settings. Students are responsible for making arrangements with a business/organization for each professional learning experience. Students will be required to show documentation validating their placement/employment and to complete periodic projects based on placement(s) in a timely manner. Students who successfully complete the course will gain resume-building job skills and recommendations for future employers.

TEACHING AS A CAREER--Credit 1.0

Grades 11-12

Teaching Profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education.

OTHER FAMILY & COMMUNITY SERVICES COURSES

INTERIOR DESIGN --Credit 0.5

Grades 11-12

An application level course designed to instruct students in skills necessary to design interior spaces that apply design elements and principles to spaces for residential and special needs (e.g. single family homes, multi-family structures, homes for special needs, child care centers, retirement homes, etc.). Topics will include meeting client's needs, legislated codes, historic considerations, current and future trends, and public policy.

TEXTILE CONSTRUCTION--Credit 0.5

Grades 9-12

Essentials of Interior and Textile Design introduces students to and expands upon the various aspects of industry, conveying the commercial application of principles and elements of design, production processes, and maintenance techniques to meet the design needs of humans. This course will also provide a discussion and exploration of career opportunities in interior, textiles and set/exhibit design.

NUTRITION AND WELLNESS II --Credit 0.5

Grades 10-12

Prerequisite: Nutrition and Wellness I

Nutrition and Wellness II is a continuation of Nutrition and Wellness I with nutrition emphasis on the foundation of my pyramid (formerly the food guide pyramid), the grain group. Preparation of foods from this group will include pasta, quick breads, and a variety of yeast breads. A unit will be included on the selection and purchase of major and portable kitchen appliances. Meal planning will focus on U.S. regions and several foreign countries. Students in this class will study the selection of china and table accessories for attractive dining and serving of meals. An additional fee for consumables is charged for this class.

CTE **Government and Public Administration Pathway** **Course Descriptions**

INTRODUCTORY LEVEL COURSES

INTRODUCTION TO GOVERNMENT –Credit 0.5

*****Grade 8**

This course will introduce students to the knowledge and skills of serving the general public in a variety of occupations. Topics will include identifying personal strengths and weaknesses and setting career goals, leadership, teamwork and problem solving, analyzing leadership roles and identifying leadership opportunities within the school.

PREPARING FOR COLLEGE, WORK & FAMILY--Credit 0.5

Grades 9-12

This course will help students develop skills and strategies, which are helpful to become more focused, productive individuals. The course consists of three six-week units: Preparing for College, Preparing for Work and Preparing for Family, (includes Real Care Baby Assignment). The course emphasizes: goal setting, decision-making, time management and energy and stress management. The class will study personality, values, partner selection, personal and family relationships, finances and balancing work and family. Students may also explore values career choices. Students will begin developing a career portfolio.

TECHNICAL LEVEL COURSES

ACCOUNTING I--Credit 1.0

Grades 10-12

Known internationally as the language of business, Accounting I is a must for all students interested in a business career. Students will learn to keep business records for service and merchandising businesses owned by sole proprietors, partners, and corporations. Instruction will focus on progression through the accounting cycle manually and will be reinforced using computers. An additional fee for consumables is charged for this class.

AMERICAN GOVERNMENT/ECONOMICS--Credit 1.0

Grade 12

American Government/Economics is a required 12th grade social science course. Areas of concentration are: Political and economic systems found throughout the world; the Constitution and Bill of Rights; politics; the Legislative, Executive and Judicial Branches of government; rights and responsibilities of citizenship; state government; local government; major economic systems, basic economic principles and personal, national and international economic concerns.

PARENTING AND CHILD DEVELOPMENT--Credit 0.5

Grades 10-12

Prerequisite: Preparing for College, Work and Family

This course is designed to help students understand how children grow and develop. The child from conception to the age of six years will be studied and observed as to its social, emotional physical and mental development. Focus is placed on our changing society and the role of the family in it. The option and responsibilities of positive parenthood are investigated. Activities will include independent investigation, guests of all ages, a parenting simulation experience, and interaction with preschoolers. Vocations involving young children are also explored.

BUSINESS LAW—Credit 1.0

Grades 11-12

Prerequisite: History I or AP World and Accounting I

Business Law emphasize legal concepts that are relevant to business to business and business organizations. Topics examined in this course typically include: contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal, organizational structures, and consumer liabilities. This is a dual credit course.

APPLICATION LEVEL COURSES

CAREER CONNECTIONS—Credit 0.5

Grade 11-12

Prerequisite: Preparing for College, Work and Family OR Counselor recommendation.

This class gives juniors and seniors an opportunity to experience four different careers including jobs in a human services career. Students are responsible (with suggestions from the instructor) for making arrangements with a business/organization for each professional learning experience. Students will complete accurate work and reporting documents, which are submitted in a timely manner to appropriate supervisors. Students will leave the class with a portfolio designed to help them with job and scholarship applications.

COMMUNITY CONNECTIONS--Credit 0.5

Grade 11-12

Prerequisite: Preparing for College, Work and Family OR Counselor recommendation.

This class gives juniors and seniors an opportunity to learn about volunteering and resources available in the community. The class will involve volunteering a minimum of 40 hours (most of these hours will be available during the school day). Students will complete accurate work and reporting documents, which are submitted in a timely manner to appropriate supervisors. Students will leave the class with a portfolio designed to help them with job and scholarship applications.

CTE **Health Science Pathway** **Course Descriptions**

INTRODUCTORY LEVEL COURSE

BIOLOGY --Credit 1.0

Grades 9-12

In Biology, students discuss living systems and how they interact with man. In order to pass the course, students must read assigned materials, participate in laboratory exercises, write lab reports, and complete homework assignments for each chapter. Any student interested in learning about living systems and how they interact will benefit from this course. All students planning to enter careers that are science related should take this course.

CHEMISTRY--Credit 1.0

Grades 10-12

Prerequisite: Biology and Algebra I

Chemistry is a one-year laboratory science course that deals with the structure and composition of matter, changes that occur in chemical reactions, and how to control chemical changes.

To receive credit for the course a student must:

1. Complete approximately 30-36 hours of laboratory assignments. Labs will be followed by an oral or written quiz or report
2. Learn how the structure of matter affects the interactions of materials.
3. Learn how to write and balance equations for chemical reactions.
4. Learn the mathematical relationships involved in chemical reactions.
5. Learn about many of the practical applications of chemistry.
6. Learn of the correct use of many types of lab apparatus and develop an efficient lab technique.
7. Develop and successfully use a procedure for qualitative analysis.

HEALTH SCIENCE I--Credit 1.0

Grades 9-12

Medical Terminology: Elements of medical language including common abbreviations. Emphasis is placed on spelling, pronunciation, correct usage, and meaning relating to body systems, medical science, and medical specialties. **Ethics:** An introduction to medical ethics, which examines several approaches to ethics within the interrelated contexts of medicine, health care and the law. Topics investigated may include: professional- patient relationships; institutional and social settings of care delivery; informed consent, confidentiality and truth telling; abortion; critically ill neonates; death and dying; mental illness; human experimentation; resource allocation; and justice and health care. Case studies may be selected in light of both students—pre-professional training and interests. **Professionalism:** Professionalism includes the formation of one's professional identity – the development of a set of personal attitudes, beliefs, values, behaviors and role expectations that guide and inform virtually all-subsequent behavior. Although different people may view professionalism differently, we will explore what it means to embrace professionalism, especially in the medical environment. A variety of methods and a varied selection of scenarios will be utilized to assist the student to be able to identify and recognize professionalism.

TECHNICAL LEVEL COURSES

HEALTH SCIENCE II--Credit 1.0

Grades 10-12

Prerequisite: Health Science I

Health Science II builds on knowledge and skills gained in Health Science I. This course introduces students to health care applications of human systems, adds healthcare related mathematical conversions, measures and calculations and introduces students to medical terminology that supports the course content. Professional characteristics are emphasized along with the more in depth exploration of legal ramifications and ethical practices related to the giving and receiving of healthcare. This course emphasizes personal, environmental and common healthcare safety hazards. Additional instruction on participating as a member of a team handling conflict and leadership responsibilities is included in this course. Students learn the procedures for measuring and recording vital signs and will increase their computer application skills. Instruction includes project-based research and explorations, healthcare professionals support and participation, and study tours and presentations, in-class experiments and other hands-on participation. Students will obtain their basic life support CPR and first aid certifications as relevant technical skills.

ANATOMY & PHYSIOLOGY--Credit 1.0

Grades 11-12

Prerequisites: Biology & Chemistry or Physical Science/Biology (concurrent enrollment accepted)

Physiology is a one-year laboratory science course dealing with the parts of the human body and how they function. In this class, students will learn about the major physiological systems and how they are related to one another. Physiology is a college preparatory course that is suggested for students who plan to enter health related fields. At the end of the year, students will apply all information learned while dissecting a cat. In order to pass the course, students must read assigned materials, participate in laboratory exercises, write reports, and complete homework assignments for each class.

AP BIOLOGY--Credit 1.0

Grades 11-12

Prerequisite: Biology and Chemistry and approval of instructor Recommended: Completion of, or concurrent enrollment – Anatomy & Physiology

The AP Biology course is a one-year laboratory science course designed to be the equivalent of a college introductory biology course taken by biology majors during their first year of college. After completion of the AP Examination some students, as college freshmen, are permitted to undertake upper level courses in biology or register for courses for which biology is a prerequisite. By structuring the course around the four “Big Ideas” (Evolution, Energy, Genetics, and Ecology) along with enduring understandings, and science practices, it will assist students in developing an appreciation for the study of life and help them identify and understand unifying principles within a diversified biological world. In addition to lecture, 25% of the class time will be utilized to conduct inquiry labs that will encourage detailed observation, accurate recording, experimental design, manual manipulation, data interpretation, statistical analysis and operation of technical equipment. To adequately cover the required material and conduct the required labs some summer reading is mandatory. Please see instructor and check out books before summer break.

Forensic Science--Credit 0.5

Grades 11-12

Prerequisite: Biology

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through lessons, laboratories, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

NUTRITION AND WELLNESS I--Credit 0.5

Grades 9-12

Prerequisite: Preparing for College, Work, and Family

Focusing on the pyramid, this class involves the study, selection, and preparation of four of the five food groups. Food sanitation principles are explored and followed in all laboratory situations. Basic food preparation techniques are incorporated with an emphasis on correct measuring and applied math. Positive mealtime behaviors and manners are practiced. Shopping for food, label reading, and nutrition are included in all units. An additional fee for consumables is charged for this class.

APPLICATION LEVEL COURSES

HEALTH SCIENCE III--Credit 1.0

Grades 11-12

Prerequisite: Health Sciences I and Health Science II or Anatomy & Physiology

Health Science III continues instruction for human systems by increasing student knowledge of the concepts that provide an understanding of the body in health and disease. Related content on disease and disorders for prevention and treatment adds to the students healthcare practices knowledge and skills. The differentiation between subjective and objective information is introduced as well as an understanding of healthcare as a delivery system and the criticality of interdependence to client outcomes. Students begin to build their professional portfolio, practice critical thinking skills, and learn to demonstrate respect and interactions with a variety of diverse groups in various settings. The course offers instruction in documentation and record keeping, in the context of health care policies and procedures, employment laws ethical issues and practices. Interactive activities underscore the importance of emergency procedures and protocols. Health information management practices will be introduced and performed as directed. Instruction includes project-based research and explorations, healthcare professionals support and participation service learning projects, extended job shadows, externships, study tours and presentations, in-class experiments and other hands-on participation.

HEALTH SCIENCE IV--Credit 1.0

Grade 12

Prerequisite: Health Science III

This course is the capstone course for the high school health programs. It offers students the opportunity to choose intensive theme study areas and complete a targeted occupational observation with a health professional or health organization. Students finalize their health portfolio, certification requirements and transition strategies for college or other educational/training options. Students are required to complete community outreach projects.

PROJECT MANAGEMENT & RESOURCE SCHEDULING--Credit 1.0

Grades 10-12

Prerequisite: Instructor approval; Complete Modern Journalism I & II, other requisites in Visual Arts CTE Pathway

This is a full-year course for qualified sophomores, juniors, and seniors who have taken Modern Journalism & Digital Production, who are recommended by the advisor, and who wish to become actively involved in the development and production of the school's yearbook. This course is strictly a production-type course and requires hours outside of school time in addition to class time.

OTHER HEALTH SCIENCE ELECTIVIES

NUTRITION AND WELLNESS II --Credit 0.5

Grades 10-12

Prerequisite: Nutrition and Wellness I

Nutrition and Wellness II is a continuation of Nutrition and Wellness I with nutrition emphasis on the foundation of my pyramid (formerly the food guide pyramid), the grain group. Preparation of foods from this group will include pasta, quick breads, and a variety of yeast breads. A unit will be included on the selection and purchase of major and portable kitchen appliances. Meal planning will focus on U.S. regions and several foreign countries. Students in this class will study the selection of china and table accessories for attractive dining and serving of meals. An additional fee for consumables is charged for this class.

CTE **Mobile Equipment Maintenance Pathway** **Course Descriptions**

INTRODUCTORY LEVEL COURSES

BUSINESS ESSENTIALS--Credit 0.5

Grades 9-12 (Spring Only)

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, 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.

INTRODUCTION TO INDUSTRIAL TECHNOLOGY--Credit 1.0

Grade 9-12

An introductory course designed to give students the basic skills necessary for occupations in the Drafting, Construction, Manufacturing/Welding and Transportation areas. The class is broken into two pieces, each with its own components. The first piece is drafting/construction, where students spend nine weeks learning the basics of drafting and how it relates to construction. The second nine weeks focuses on basic construction skills. The second piece to this class finds students spending nine weeks learning automotive basics and nine weeks delving into welding and manufacturing. Students will receive instruction from four different teachers while in this yearlong course.

CONSUMER AUTO CARE—Credit .5

Grade 10-12

This semester course is designed to provide students with the opportunity to learn practical car maintenance skills. Students will attain basic skills and knowledge needed to own and maintain a vehicle. This course covers car care such as under hood inspection (fluids, belts, hoses), removing and replacing items (wiper blades, bulbs, fuses), cooling system maintenance, battery/charging system diagnosis, lubrication system maintenance, tire information, brake inspection, minor ignition system maintenance (spark plugs, ignition wires), car buying, car insurance, acquiring a title and service information. Other topics of need and interest may be included as the class goes on.

TECHNICAL LEVEL COURSES

ENTREPRENEURSHIP--Credit 0.5

Grades 10-12 (Fall Only)

Prerequisite: Business Essentials

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

AUTOMOTIVE TECHNOLOGY I--Credit 1.0

Grades 10-12

Prerequisite: Introduction to Industrial Technology & Consumer Auto Care

This course is the first of three automotive classes and will introduce the student to: general automotive care and preventive maintenance, basic repair skills, engine design and power flow, and the electrical terminology of the modern car. Students will be exposed to safe work practices, practice introductory repair skills in the laboratory, develop global awareness concerning automotive pollution, integrate applied math and technology with automotive skills while learning to work together in groups and building leadership skills. Technical reading and writing will be taught in the classroom and the shop. Automotive systems studied will include engine, computer and electrical systems, fuel, lubrication and cooling system, air conditioning, manual and automatic transmissions, emission control, steering and brakes. This course is taught in a lecture, demonstration, and laboratory setting. Students are encouraged to participate in the V.I.C.A. chapter. This course is a prerequisite for Automotive II.

APPLICATION LEVEL COURSES

AUTOMOTIVE TECHNOLOGY II --Credit 1.0

Grades 11-12

Prerequisite: Automotive Technology I

This one or two hour lab develops skills introduced in the Automotive Technology 1 class. Automotive skills practiced in the lab will include ignition, fuel, computer and electrical, and cooling and lubrication systems. Also, included will be automotive brakes, steering and drive train and emission controls. Skills will be practiced on instruction aids owned by the school. Safe work practices, group cooperation, leadership and diagnosis of automotive systems will be a priority. Participation in V.I.C.A. will be encouraged. Safety glasses and coveralls required. An additional fee for students' safety equipment is charged for this class. Students will be admitted only with permission of instructor.

AUTOMOTIVE TECHNOLOGY III --Credit 1.0

Grades 12

Prerequisite: Automotive Technology I and II

This one or two hour lab develops advanced problem solving and diagnosis of automotive problems. Lab work includes engine overhaul, transmission overhaul, clutch and driveline service and electrical system and computer control repair or replacement. Students will develop leadership while working in small groups and individually. Participation in V.I.C.A. will be encouraged. Safety glasses and coveralls required. An additional fee for students' safety equipment is charged for this class. Students will be admitted only with permission of instructor.

OTHER MOBILE EQUIPMENT ELECTIVIES

ROBOTICS--Credit 0.5

Grades 9-12

This robotics course teaches students in grades 9-12 the engineering design process using mechanisms, machines and robotic systems. The students will program robots using Robot C programming software. Challenges and competition will focus on students using the radio controlled VEX Cortex robotic system. Careers in robotics, programming and engineering will be discussed. Students enrolling in this course will apply math and science to develop technology and engineering skills.

ROBOTICS II--Credit 0.5

Grades 9-12

Prerequisite: Robotics I & Instructors Approval

This advanced robotics course teaches students in grades 10-12 the engineering design process using mechanisms, machines and robotic systems. The students will program robots using Robot C programming software and use remote controls. The main focus for students in this class will be designing, building and testing robots for the annual VEX contests held around Kansas. Students enrolling in this course will apply math and science to develop technology and engineering skills and must be self-starters. Evaluation is based upon written journals, and daily participation points.

CTE

Power, Structural & Technical Systems Pathway

Course Descriptions

INTRODUCTORY LEVEL COURSES

EXPLORING AGRICULTURE SCIENCE--Credit 1.0

Grades 9-12

This one-hour course introduces the student to all of today's agriculture areas including environmental technology and natural resource management (i.e. soil and water conservation, wildlife management, etc.), plant and animal sciences (i.e. crop and vegetable production, livestock and pet production, catfish farming, etc.), landscaping and horticulture and food production.

TECHNICAL LEVEL COURSES

PRODUCTION WELDING I – Credit 1

Grades 10-12

This technical level course is designed to instruct students in the knowledge and basic skills needs to perform welding procedures. Instruction will identify safe practices and procedures used for shop activities, setup and use of welding/cutting equipment, and welding theory of the following processes: Oxyfuel welding and cutting, Plasma cutting, SMAW, GMAW. Destructive and non-destructive testing of welds, metallurgy, and weld symbol reading on blueprints will also be covered. Students will then conduct guided skill practice with each process, in the flat and horizontal welding positions.

APPLICATION LEVEL COURSES

PRODUCTION WELDING II -Credit 1.0

Grades 11-12

Prerequisite: Production Welding I

An advanced, application level course that builds on skills learned in Production Welding Processes I. Instruction will include further development of student skills in vertical and overhead welding using SMAW and GMAW welding processes as well as specialty welding applications for stainless steel and aluminum materials. Specific instruction will also be given in solving written problems in fabrication, using measuring tools, figuring bill of materials and calculating weld sizes from prints, drawings and measuring/evaluating welds for defects produced in lab. Possible certification may be attained at the conclusion of this course.

AGRICULTURAL BUSINESS--Credit 1.0

Grade 12

Prerequisite: Teacher Approval

The study of agriculture from a business perspective, Ag related careers, accounting, taxes, marketing and purchasing procedures, cost analysis, crops and livestock management, hedging, futures marketing, computer applications, agriculture issues, leadership and personal development, and related FFA activities. Students will utilize the TN DATA Transmission Network to trade stocks and commodities in a real situation. Individuals desiring careers in occupations such as sales and service, banking, or farm and ranch management would benefit from this course.

OTHER POWER STRUCTURAL & TECHNICAL SYSTEMS COURSES

INTRODUCTION TO INDUSTRIAL TECHNOLOGY--Credit 1.0

Grades 9-12

An introductory course designed to give students the basic skills necessary for occupations in the drafting Construction, Manufacturing/Welding and Transportation areas. The class is broken into two pieces, each with its own components. The first piece is drafting/construction, where students spend nine weeks learning the basics of drafting and how it relates to construction. The second nine weeks focuses on basic construction skills. The second piece to this class finds students spending nine weeks learning automotive basics and nine weeks delving into welding and manufacturing. Students will receive instruction from four different teachers while in this yearlong course.

CTE

Production Pathway

Course Descriptions

INTRODUCTORY LEVEL COURSES

INTRODUCTION TO INDUSTRIAL TECHNOLOGY--Credit 1.0

Grade 9-12

An introductory course designed to give students the basic skills necessary for occupations in the Drafting, Construction, Manufacturing/Welding and Transportation areas. The class is broken into two pieces, each with its own components. The first piece is drafting/construction, where students spend nine weeks learning the basics of drafting and how it relates to construction. The second nine weeks focuses on basic construction skills. The second piece to this class finds students spending nine weeks learning automotive basics and nine weeks delving into welding and manufacturing. Students will receive instruction from four different teachers while in this yearlong course.

TECHNICAL LEVEL COURSES

COMPUTER-AIDED DRAFTING I--Credit 1.0

Grades 10-12

Prerequisite: Basic Drafting Experience or Introduction To Industrial Technology

This course is designed to introduce the student to basic computer-aided drafting theory. In this class, the student will be introduced to the AutoCAD software and taught basic command structures and sequences. The student will learn how to apply these commands to complete various activities successfully. Areas to be covered include: system component identification, start-up and shutdown sequences, hands-on component usage, menu selection, and command location and usage. An additional fee for consumables is charged for this class.

PRODUCTION WELDING I – Credit 1

Grades 10-12

Prerequisite: Introduction to Industrial Technology

This technical level course is designed to instruct students in the knowledge and basic skills needed to perform welding procedures. Instruction will identify safe practices and procedures used for shop activities, setup and use of welding/cutting equipment, and welding theory of the following processes: Oxyfuel welding and cutting, Plasma cutting, SMAW, GMAW. Destructive and non-destructive testing of welds, metallurgy, and weld symbol reading on blueprints will also be covered. Students will then conduct guided skill practice with each process, in the flat and horizontal welding positions.

APPLICATION LEVEL COURSES

PRODUCTION WELDING II --Credit 1.0

Grades 11-12

Prerequisite: Production Welding I

An advanced, application level course that builds on skills learned in Production Welding Processes I. Instruction will include further development of student skills in vertical and overhead welding using SMAW and GMAW welding processes as well as specialty welding applications for stainless steel and aluminum materials. Specific instruction will also be given in solving written problems in fabrication, using measuring tools, figuring bill of materials and calculating weld sizes from prints, drawings and measuring/evaluating welds for defects produced in lab. Possible certification may be attained at the conclusion of this course.

CTE

Teaching/Training Pathway

Course Descriptions

INTRODUCTORY LEVEL COURSES

PREPARING FOR COLLEGE, WORK & FAMILY--Credit 0.5

Grades 9-12

This course will help students develop skills and strategies, which are helpful to become more focused, productive individuals. The course consists of three six-week units: Preparing for College, Preparing for Work and Preparing for Family, (includes Real Care Baby Assignment). The course emphasizes: goal setting, decision-making, time management and energy and stress management. The class will study personality, values, partner selection, personal and family relationships, finances and balancing work and family. Students may also explore values career choices. Students will begin developing a career portfolio.

TECHNICAL LEVEL COURSES

PARENTING AND CHILD DEVELOPMENT --Credit 0.5

Grades 10-12

This course is designed to help students understand how children grow and develop. The child from conception to the age of six years will be studied and observed as to its social, emotional physical and mental development. Focus is placed on our changing society and the role of the family in it. The option and responsibilities of positive parenthood are investigated. Activities will include independent investigation, guests of all ages, a parenting simulation experience, and interaction with preschoolers. Vocations involving young children are also explored.

EXPLORING TEACHING AS A CAREER--Credit 1.0

Grade 11-12

This course is designed for students interested in teaching as a career choice. Students will review basic academic skills and knowledge. They will review and learn effective communication skills, problem solving, and critical thinking. They will develop the ability to analyze, manipulate, interpret and identify reliable information on the Internet. Students will be introduced to safety and health issues related to schools, students, and teachers. Legal and ethic issues in education will be discussed. Leadership and teamwork techniques will be taught. Students will research various careers in education at each building level.

FAMILY STUDIES – Credit 0.5

Grades 11-12

Family Living courses emphasize building and maintaining healthy interpersonal relationships among family members and other members of society. These courses often emphasize (but are not limited to) topics such as social/dating practices, human sexuality and reproduction, marriage preparation, parenthood and the function of the family unit, and the various stages of life. They may also cover topics related to individual self-development, career development, personal awareness, and preparation for the responsibilities of a family member and wage earner.

APPLICATION LEVEL COURSES

TEACHING INTERNSHIP --Credit 1.0

Grade 12

A yearlong course based upon the application of Teaching/Training Pathway competencies. This course requires the application of skills within the teaching and training professions. Extensive observation in a classroom setting will be required.

CTE

Visual Arts Pathway

Course Descriptions

INTRODUCTORY LEVEL COURSES

COMPUTER APPLICATIONS H.S. --Credit 1.0

Grades 9-12

Emphasis will be placed on reviewing the proper techniques of keyboarding, the basic functions of Microsoft Word 2011 for MAC software, and production of business correspondence and documents. We will also learn some of the fundamentals of the PowerPoint presentation software. Both programs will be useful throughout the student's high school career and beyond. (May take in the fall only for ½ credit).

PREPARING FOR COLLEGE, WORK & FAMILY--Credit 0.5

Grades 9-12

This course will help students develop skills and strategies, which are helpful to become more focused, productive individuals. The course consists of three six-week units: Preparing for College, Preparing for Work and Preparing for Family, (includes Real Care Baby Assignment). The course emphasizes: goal setting, decision-making, time management and energy and stress management. The class will study personality, values, partner selection, personal and family relationships, finances and balancing work and family. Students may also explore values career choices. Students will begin developing a career portfolio.

TECHNICAL LEVEL COURSES

ART I--Credit 0.5

Grades 9-12

Art I is a comprehensive introductory course to art. Students will use several different mediums in both two and three-dimensional forms, and learn about various artists in order to gain a basic understanding of the elements of art, and principles of design. Study and exploration of art are done in the following areas: color theory, drawing, painting, sculpture and collage. The Art Department will provide art 1 students with an art kit containing a sketch book, a set of drawing pencils, water color paints, and one black sharpie marker. Additional supplies are up to the teacher's discretion. To receive credit for this course: Earn a passing grade of 60% or higher, complete all required projects, tests and sketch book assignments, participate in note taking, class discussions and critiques, (See Fee Sheet – art kit included in class fee.

DESIGN--Credit 0.5

Grades 9-12

Prerequisite: Art 1

Design is the study of two-and three-dimensional organization in the development of visual idea. Some of the following areas are studied: textile design, pattern development, positive-negative relationships, commercial design, lettering, advertising, and illustration. Craftsmanship and presentation are emphasized. To receive credit for the course a student must: Complete all required projects and written work, take notes, Purchase required supplies: pencils, erasers, ruler, compass, etc. Students interested in all commercial art and advertising design fields, as well as those interested in all areas of fine arts, would benefit from this course.

PHOTOGRAPHY--Credit 0.5

Grades 11-12

Prerequisite: Jrs/Srs who have completed Art 1

Photography is explored as an art form. Composition is emphasized. Learning about the use of the camera and the technical introduction to black and white photography includes developing film and printing the positive image from the negatives. Projects include color tinting, solarization, montage, light drawing, etc. Introduction to digital photography and PhotoShop will also occur. Photography will benefit everyone who takes photographs as a hobby, or pursues it professionally as a journalist, commercial artist or studio photographer. To receive credit for the course, a student must: Complete every assignment. Assignments include chapter worksheets, tests, laboratory work, and the completion of a Portfolio of prints containing a photo essay and Fee: See Fee Sheet.

TEXTILE CONSTRUCTION --Credit 0.5

Grade 9

Essentials of Interior and Textile Design introduces students to and expands upon the various aspects of industry, conveying the commercial application of principles and elements of design, production processes, and maintenance techniques to meet the design needs of humans. This course will also provide a discussion and exploration of career opportunities in interior, textiles and set/exhibit design.

APPLICATION LEVEL COURSES

PROJECT MANAGEMENT & RESOURCE SCHEDULING--Credit 1.0

Grades 10-12

Prerequisite: Instructor approval; Complete Modern Journalism I & II, other requisites in Visual Arts CTE Pathway

This is a full-year course for qualified sophomores, juniors, and seniors who have taken Modern Journalism & Digital Production, who are recommended by the advisor, and who wish to become actively involved in the development and production of the school's yearbook. This course is strictly a production-type course and requires hours outside of school time in addition to class time.

CAREER CONNECTIONS--Credit 0.5

Grade 11-12

Prerequisite: Preparing for College, Work and Family OR Counselor recommendation.

This class gives juniors and seniors an opportunity to experience four different careers including jobs in a human services career. Students are responsible (with suggestions from the instructor) for making arrangements with a business/organization for each professional learning experience. Students will complete accurate work and reporting documents, which are submitted in a timely manner to appropriate supervisors. Students will leave the class with a portfolio designed to help them with job and scholarship applications.

COMMUNITY CONNECTIONS--Credit 0.5

Grade 11-12

Prerequisite: Preparing for College, Work and Family OR Counselor recommendation.

This class gives juniors and seniors an opportunity to learn about volunteering and resources available in the community. The class will involve volunteering a minimum of 40 hours (most of these hours will be available during the school day). Students will complete accurate work and reporting documents, which are submitted in a timely manner to appropriate supervisors. Students will leave the class with a portfolio designed to help them with job and scholarship applications.

INTERIOR DESIGN --Credit 0.5

Grades 11-12

An application level course designed to instruct students in skills necessary to design interior spaces that apply design elements and principles to spaces for residential and special needs (e.g. single family homes, multi-family structures, homes for special needs, child care centers, retirement homes, etc.). Topics will include meeting client's needs, legislated codes, historic considerations, current and future trends, and public policy.

ALL COURSE DESCRIPTIONS

Fine Arts and Music Course Descriptions

NOVICE FORENSICS--Credit 0.5

Grades 9-12

This course is an integral part of the ongoing competitive speech program, which follows debate in a second semester event. The emphasis of the course deals with extemporaneous speaking, oration, informative speaking, duet acting, dramatic and humorous interpretations, oral interpretation of prose and poetry, and improvised duet acting. Beginners will be allowed opportunity to excel in a competitive program at tournaments and in class.

ADVANCE FORENSICS--Credit 0.5

Grades 10-12

Prerequisite: Novice Forensics

This course deals with competitive speech activities, such as extemporaneous speaking, original oratory, dramatic and humorous interpretation, duet and improvised duet acting, informative speaking, and oral interpretation of prose and poetry. Students will be expected to participate in scheduled tournaments. Participation Fee required.

HUMANITIES –Credit 1.0

Grades 11-12

Exploring the beginnings of civilization through art, architecture, sculpture, literature, music and philosophy and continuing this search throughout major periods in history provide the core of study for Humanities I & II. This approach to the development of man should unify previous areas of study and is ideal for the college-bound student. No previous expertise or talent is necessary in any of the above fields. Humanity I, is not necessary to be successful in Humanities II. Each class emphasizes different ages of civilization and can be taken as a one-semester course or together for a fuller comprehension of man and his world. HUMANITIES I begins with the pre-ancient civilization found in the caves of Lascaux, France, and culminates with the early Renaissance in Florence, Italy. The required projects include a sack dig, toga day, cathedral building, and a hands-on sculpture, as well as readings in Greek, medieval and Shakespearean plays. HUMANITIES II begins with the study of man continues with the resumption of late Renaissance art in Rome, the influence of Baroque art in the Netherlands, the neo-classical era, impressionism, early modern art and literature, and art since 1945. Projects include a special music guest, group portraiture, a painting session inspired by the impressionists, and a musical self-portrait. Literature will emphasize modern man's alienation from his world.

GREEK AND ROMAN MYTHOLOGY – Credit 1.0

Fall semester only

This course will study the major Greek and Roman myths that seek to answer life's essential questions. Students will receive a compressive view of the major Greco-Roman myths, gods, goddesses, heroes, and creatures. Daily readings will include creation myths, the hero's cycle, and epic tales. Assignments will include but not be limited to journal and creative writing, individual and group projects, daily classroom discussions, forum posts, quizzes, and tests.

EUROPEAN AND WORLD MYTHOLOGY --Credit 1.0

Spring semester only

This course will study the world myths that seek to answer life's essential questions. We will focus heavily on Norse mythology (Viking tales) and the legends of King Arthur and the knights of the round table. Students can also expect material to be incorporated from Beowulf, Russian folklore, European fairy tales, Aesop's fables, Japanese mythology, and tales from the Arabian Nights. Assignments will include but not be limited to journal and creative writing, individual and group projects, daily classroom discussions, forum posts, quizzes and tests.

ART COURSES

ART I--Credit 0.5

Grades 9-12

Art I is a comprehensive introductory course to art. Students will use several different mediums in both two and three-dimensional forms, and learn about various artists in order to gain a basic understanding of the elements of art, and principles of design. Study and exploration of art are done in the following areas: color theory, drawing, painting, sculpture and collage. The Art Department will provide art 1 students with an art kit containing a sketch book, a set of drawing pencils, water color paints, and one black sharpie marker. Additional supplies are up to the teacher's discretion. To receive credit for this course: Earn a passing grade of 60% or higher, complete all required projects, tests and sketch book assignments, participate in note taking, class discussions and critiques, (See Fee Sheet – art kit included in class fee.

AP ART HISTORY--Credit 1.0

Grades 11-12

Prerequisite: AP World History, Humanities, or by Art Department recommendation

AP Art History is designed to provide the same benefits to secondary school students as those provided by an introductory college course in art history: an understanding and knowledge of architecture, sculpture, painting, and other art forms within diverse historical and cultural contexts. In the course, students examine and critically analyze major forms of artistic expression from the past and the present from a variety of cultures. While visual analysis is the fundamental tool of the art historian, art history also emphasizes understanding works in context, considering such issues as patronage, gender and the functions and effects of works of art. Many colleges and universities offer advanced placement and/or credit to students who have performed successfully on the AP Art History Exam.

ADVANCED ART--Credit 1.0

Grades 11-12

Prerequisite: Art I, Drawing and a minimum of two other art courses. The prospective students must also submit a portfolio with 8 pieces. The art teachers will then review and evaluate the portfolio. Departmental recommendations will then determine student's admittance.

This is a Pre-AP course that focuses on an advanced study of the elements and principal of design. Students complete a portfolio that prepares them for either AP Studio Art or college admission.

CERAMICS--Credit 0.5

Grades 9-12

Prerequisite: Art I

Ceramics is a studio course consisting of developing clay bodies and glazes from chemicals, forming vessels by hand methods (pinch, coil, slab) and wheel throwing functional and decorative ceramic pieces. The history of ceramics will also be studied through the text and research. To receive credit for the course, a student must: Complete every assignment given in this class. Assignments include tests and projects, chapter worksheets, and research papers. Anyone who wishes to improve hand coordination, design skills, or learn about things of clay would benefit from this class. Fee: See fee sheet.

DESIGN--Credit 0.5

Grades 9-12

Prerequisite: Art I

Design is the study of two-and three-dimensional organization in the development of visual idea. Some of the following areas are studied: textile design, pattern development, positive-negative relationships, commercial design, lettering, advertising, and illustration. Craftsmanship and presentation are emphasized.

To receive credit for the course a student must: Complete all required projects and written work, take notes.

Purchase required supplies: pencils, erasers, ruler, compass, etc. Students interested in all commercial art and advertising design fields, as well as those interested in all areas of fine arts, would benefit from this course. Fee: See fee sheet.

DRAWING--Credit 0.5

Grades 9 - 12

Prerequisite: Art I

Drawing involves extensive study in various media with emphasis on techniques and development of ideas. Students are encouraged to become aware of visual experiences and to interpret those impressions through the use of sound drawing principles and exploration of materials. Drawing mediums that are studied include pencil, charcoal, ink, and pastel. Areas of study include: contour line drawings, self-portrait, animation, still life drawings, as well as original ideas created by the student. To receive credit for the course, a student must: Complete all required projects and written work, take tests, purchase required supplies such as drawing pencils and erasers. Students interested in all types of drawing would benefit from the course. Students interested in architecture, engineering, drafting, all commercial art and design fields, graphics, and fine arts should take the course. Fee: See fee sheet.

GLASS FORMING--Credit 0.5

Grades 10-12

Prerequisite: Art I

This course will research the history of glass bead making, stainless and enameling. Current methods of these subjects will be utilized through the hands-on portion of the course. The torch will be used in order to create glass beads for necklaces and bracelets. Small sculptural forms will be introduced through this method as well. The enameling (powdered glass) portion of study will utilize an enameling kiln in order to create items such as jewelry, wall pieces, and containers. Two methods of stainless windows will be studied, lead came and copper foiling, both involving the use of glasscutters and soldering. To receive credit for Glass Forming, a student must: Complete every assignment given in this class. Assignments include tests and projects. See Fee Sheet for cost per semester plus the cost for silver and other sheet metals, as well as cost for frames for stained glass windows.

JEWELRY--Credit 0.5

Grades 9-12

Prerequisite: Art I

This course will research the history of jewelry, study current medalists, utilize hands-on skills (soldering, cutting, polishing) by creating various forms of jewelry such as pendants, bracelets, earrings, and rings. The lost wax casting method will be studied through the creation of some ring forms. This method is commonly used for career areas such as dentistry. Other metal craft subjects will be introduced such as picture frames, containers, etc. To receive credit for Jewelry, a student must: complete every assignment given in this class, (assignments include tests and projects.) See Fee Sheet for cost per semester plus the cost for silver and other sheet metals.

PAINTING--Credit 0.5

Grades 9-12

Prerequisite: Art I

Painting is a study of several painting mediums including watercolor, acrylics, tempera, and mixed media. Emphasis is on techniques and the application of those techniques in the expression of visual images. Color theory, art history, and art appreciation are integrated into the course of study. To receive credit for the course, a student must: complete all required projects and written work, take notes and tests, and purchase required supplies such as drawing pencils, erasers, and watercolors. (See Fees). Any student interested in exploring the world of color would benefit from the course. Students interested in commercial art, design careers, and fine arts should take painting. People who like to paint for their own enjoyment would benefit. Fee: See fee sheet.

PHOTOGRAPHY--Credit 0.5

Grades 11-12

Prerequisite: Jrs/Srs who have completed Art I

Photography is explored as an art form. Composition is emphasized. Learning about the use of the camera and the technical introduction to black and white photography includes developing film and printing the positive image from the negatives. Projects include color tinting, solarization, montage, light drawing, etc. Introduction to digital photography and PhotoShop will also occur. Photography will benefit everyone who takes photographs as a hobby, or pursues it professionally as a journalist, commercial artist or studio photographer. To receive credit for the course, a student must: Complete every assignment. Assignments include chapter worksheets, tests, laboratory work, and the completion of a Portfolio of prints containing a photo essay and Fee: See Fee Sheet.

PRINTMAKING--Credit 0.5

Grades 9-12

Prerequisite: Art I

This is an advanced level course that will cover the historical evolution of the printmaking process and will provide experiences in woodcut, collagraphs, lithography, intaglio and serigraphy. A series of prints will be produced in this course using knowledge learned in Art I. Fee: See fee sheet.

SCULPTURE--Credit 0.5

Grades 9-12

Prerequisite: Art I

Sculpture involves the study of three-dimensional form through the use of clay, plaster, stone, wire, etc. Students will research historically known artists and incorporate the artists' expressive style into their own style of work. Techniques involved are carving, modeling, and using molds to create the desired form. To receive credit for the course, a student must: Complete all assignments. Assignments include research paper(s), projects and tests. Must bring required supplies for some of the assignments. (See fee sheet). This course is beneficial for those who wish to expand general thinking and problem solving skills, learn spatial skills and improve drawing and commercial art aspects in design.

AP STUDIO ART --Credit 1.0

Grades 11-12

Prerequisite: Art I, Drawing and a minimum of two other art courses. The prospective students must also submit a portfolio with 8 pieces. The art teachers will then review and evaluate the portfolio. Departmental recommendations will then determine student's admittance.

AP Studio Art is designed only for juniors/seniors preparing for higher studies in art. Advanced portfolio will be in a special interest area within 3-D Design, 2-D Design or Drawing. Preparation of portfolios must include three distinct sections: Quality, Concentration, and Breadth, (24 total works) as specified by the College Board. Due to the strict regiment for this yearlong course a pre- conference and contract with the student and the parents must be completed in order for admittance to this course to occur. See Fee Sheet for cost of this class plus any specialty items that are necessary to complete assignments.

CHOIR/MUSIC COURSES

BEL CANTO (SELECT WOMEN'S CHOIR) --Credit 1.0

Prerequisite: Audition Open 10th-12th

An SSA Select Ensemble open to students 10th -12th. Up to twenty-four female voices will be selected through audition according to vocal ability, musicianship, scholarship, character and stage presence. This is a top-performing group. Several styles of literature will be covered in this class based on the demands of upcoming performances (students enrolled for the spring semester must remain academically eligible in order to compete in the KSHSAA sponsored competitions in the spring). Members of Bel Canto are encouraged but not required to be members of Women's and/or Concert Choir as well. There will be additional expenses for performance attire for this group, as well as any trip related expenses. Every attempt will be made to offer fundraising for families on trip years.

MEN'S CHOIR--Credit 1.0

Prerequisite: 10th – 12th Graders & 9th Grade males

An SATB MIXED Choir open to students 10th –12th including 9th grade males. This group will be responsible for several performances throughout the year including local concerts and the entire KSHSAA competition schedule in the spring (students enrolled for the spring semester must remain academically eligible in order to compete in the KSHSAA sponsored events). Vocal techniques will continue to be stressed. The literature in this class will range from the standard choral repertoire to some "pops" style literature for the end of year "Pop Show" Concert. Depending on the trip cycle there may additional expenses that will be travel related. Every attempt will be made to offer fundraising for families on trip years.

MIXED ENSEMBLE--Credit 1.0

Prerequisite: Audition & open 10th – 12

Ensemble group size will be limited to no more than twenty-four voices and will be selected through audition according to vocal ability, musicianship, scholarship, character, and stage presence. This is the top-performing group in the school and numerous demands will be made upon its members to make appearances throughout the year. Several styles of literature will be covered in this class based on the demands of upcoming performances (students enrolled for the spring semester must remain academically eligible in order to compete in the KSHSAA sponsored competitions in the spring). Members of the group are encouraged but not required to be members of Concert Choir also. There will be additional expenses for performance attire for this group, as well as any trip related expenses. Every attempt will be made to offer fundraising for families on trip years.

Vita Voce – Credit 1.0

Grades 10-12

Prerequisite: Audition & Instructors Approval

Vita Voce will focus on non-traditional styles of vocal music; Jazz, Pop, Acapella, etc. They will prepare literature appropriate for seasonal holidays (for performance) as well as other special functions throughout the year. Students should be prepared to perform for special interest groups often throughout the year.

AP MUSIC THEORY--Credit 1.0

Grades 9-12

This course is designed to introduce the student to the rudiments of reading, writing and performing music. The student will learn elements of music such as pitch, rhythm, scales, intervals and chords along with the basic nomenclature involved with reading and writing music. Basic sign reading and ear training skills will be introduced. Students will also learn to notate rhythmic, melodic and harmonic dictation. This class is open to all students in grades 9-12 who have an interest in learning the basics of music composition and structure.

WOMEN'S CHOIR --Credit 1.0

Grades 9-12

Prerequisite: Audition

An SSA Women's Choir open to female students 9th – 12th. All freshmen females enrolled in choir must enroll in Women's Choir. This group will be responsible for several performances throughout the year including local concerts and the entire KSHSAA competition schedule in the spring (students enrolled for the spring semester must remain academically eligible in order to compete in the KSHSAA sponsored events). Vocal techniques will continue to be stressed. The literature in this class will range from the standard choral repertoire to some "pops" style literature for the end of year "Pop Show" Concert. Depending on the trip cycle there may additional expenses that will be travel related. Every attempt will be made to offer fundraising for families on trip years.

JAZZ EMSEMBLE--Credit 1.0

Grades 9-12

Prerequisite: Audition/Symphonic Band concurrent enrollment

A performance oriented class in the study of jazz styles and idioms including improvisation. Advanced instrumental skills are required for this class and students will be selected through auditions. Instrumental students must be concurrently enrolled in Band or Orchestra. Exceptions to this rule will only be considered through special arrangements with the director. This group will be involved in several required performances throughout the year.

ORCHESTRA--Credit 1.0

Grades 9-12

This course allows experienced string players the opportunity to perform literature for chamber ensemble and string orchestra. Students will be exposed to literature from all eras and will increase their musical knowledge and advance their playing capabilities through rehearsals and performances. Orchestra is a yearlong commitment, which meets every day. The director must approve exceptions. Concert attendance is required, exceptions made with prior approval.

Grades in Orchestra are based on:

1. Classroom participation and conduct.
2. Attendance at all performances and required rehearsals.
3. Proficiency on the student's instrument.

SYMPHONIC BAND--Credit 1.0

Grades 9-12

Band is a dynamic organization comprised of instrumental players who have a desire to learn and perform a variety of musical styles and techniques. Participation in band involves a yearlong commitment including summer band camp, fall marching band, concert band, and pep band. A student must participate in fall marching band in order to participate in spring concert band. The Band will have a number of required performances throughout the year and during marching band season there will also be required rehearsals before school and on some evenings.

Grades in Band are based on:

1. Classroom conduct and participation.
2. Attendance at all performances and required rehearsals.
3. Proficiency on one's instrument.

THEATRE/STAGE COURSES

THEATRE I--Credit 1.0

Grades 9-12

**May count as a Fine Arts credit (Full year 1 credit)*

This class is the introduction course to the theater program at M.H.S. In this class, you will learn about the history of theatre, theatre terminology, stage movement, character development, acting techniques, theatre stage safety, Technical theatre skills and management skills. In this class, you will learn skills that will help you grow in the art of theatre and life. Students may enroll in Theatre II after passing Theatre I with a "C" or better.

THEATRE II--Credit 1.0

Grades 10-12

**May count as a Fine Arts credit Prerequisite: Theatre I or instructor approval,*

Students may enroll in Theatre II after passing Theatre I with a "C" or better

In Theatre II the student will continue to learn theatre terminology and character development. This class focuses on, scene study, acting styles and presentation. You will also learn stage movement (combat), advance carpentry construction, costuming/makeup design, and sound and lighting design and basic board operation. The class will mount productions at the end of the semester, touring children productions for area grade schools in the fall and One Act plays in the spring. The class is offered in the fall & spring (Depending on class size and dynamics).

ADVANCED THEATRE ARTS-- Credit 1.0

Grades 10-12

Prerequisite: Theatre I & II

This semester long course will allow students to explore more deeply their interests in specific areas of the theatre. Students will expand their repertoire of theatrical literature through reading scripts from various time periods. Individual projects based on student interest and historical time periods will be completed. Concentration on a specific time period, genre, or aspect of theatre will be encouraged. Students may enroll in this class more than once.

ADVANCED ACTING REPERTORY--Credit 0.5

Grades 11-12

Prerequisite must pass Theatre II with a 'C' average or higher and have instructor permission through auditions.

Auditions for the class will be held at the end of the previous semester. In this class, focus is on scene study; dramaturgy and production work in support of the main stage dramas. The class is offered in the fall & spring to upper classman and focuses on putting together the main stage fall & spring dramas. Rehearsal time will be required in class and after school within three weeks of production dates. (Adv. Acting may be taken multiple times).

TECHNICAL THEATRE --Credit 1.0

Grades 10-12

Prerequisite must have instructor permission or passed Theatre I.

Novice drama students taking this course will become familiar with beginning stagecraft techniques that are the foundation for technical theatre. The students will learn to interpret and execute a theatrical designer's plans. Through projects and work on the school productions, students gain the confidence and technique needed to become a skilled technician.

ADVANCED TECHNICAL THEATRE --Credit 1.0

Grades 10-12

Prerequisite: Technical Theatre

Serious drama students taking this course will become the core production team for all school productions. Skills in stage management, script interpretation and design for costumes, sets, properties, sound, makeup and lighting, as well as publicity and public relations will be developed through practical application. As a culminating activity, students will completely analyze and design their own show. For the student, improved research and construction skills, as well as an exploration into careers in theater will be part of the knowledge base nurtured.

Foreign Language Course Descriptions

SPANISH I--Credit 1.0

Grades 9-12

Spanish I prepares students to appreciate the many facets of the Hispanic world. Basic communicative Spanish and many cultural units are taught. Learning a language is more than just learning how to speak. So, this introductory course equips students to integrate many elements of Spanish learning.

The goals of the class are:

1. To develop practical communication skills through practice and participation.
2. To begin to build an understanding of the Spanish language structure.
3. To create skits, play games and sing in order to practice what is learned.
4. To learn many cultural aspects of the Hispanic world.

SPANISH II --Credit 1.0

Grades 10-12

Prerequisite: Spanish I

Continuing the emphasis on communication, this course builds on the language skills of listening, speaking, reading and writing. Learning grammar skills as well as speaking skills will be major goals. The cultural integration will continue.

To receive credit, students will:

1. Participate in all classroom exercises.
2. Continue to develop proficiency.
3. Continue to learn new vocabulary while reviewing the words from the previous year.
4. Learn most of the common verb tenses, which will be introduced.
5. Create skits, performing them in class.
6. State individual opinions and concerns about topics such as home, school, shopping, and travel.
7. Explore the culture of many Hispanic countries.

COLLEGE LEVEL SPANISH--Credit 1.0

Grades 11-12

This is a Dual Credit Course

Prerequisite: Spanish II; Tuition and Fees are student's responsibility, paid to Institution granting College credit.

College Level Spanish is designed to increase the students' chances of reaching a higher level of competency in Spanish.

Cultural content continues to be a focal point for all lessons.

To receive credit, students will:

1. Communicate in Spanish.
2. Read selected material from Hispanic classics, short stories, articles and poetry.
3. Continue to work toward increased proficiency in the language.
4. Expand understanding of grammatical structure.

Language Arts Course Descriptions

ENGLISH I--Credit 1.0

This English course is a study of grammar, usage, mechanics, spelling, composition and a survey of literary genres – short story, poetry, essay, biography, drama, epic and novel. The class includes a comprehensive unit on research, library and study skills. The composition section stresses paragraph development in formal essays. Grammar and vocabulary development is included.

PRE-AP ENGLISH I--Credit 1.0

Students will cover the basics of English I - literature, composition, and grammar - though often at an accelerated rate or, at times, in more depth. A formal vocabulary and grammar development program is incorporated throughout the year, and students will be required to read and study one out-of-class novel a quarter. The class includes a comprehensive unit on research, library, and study skills. Students recommended for this course by their previous instructors should be highly motivated and have a well-developed work ethic.

ENGLISH II --Credit 1.0

This English class combines language and literature study as well as research and oral and written communication. Selections from world literature are used, including *Julius Caesar* and *To Kill a Mockingbird*, and composition work includes vocabulary, spelling, grammar, and a research paper. In addition to the literature used in class, students will be required to read a number of books of their own choosing per semester. Requirements for passing the course include presenting several projects and completing a research paper.

PRE-AP ENGLISH II --Credit 1.0

Prerequisite: Pre AP English I or instructor's permission

Students will cover the material required of English II--world literature, composition, and grammar; however, most material will be treated in greater depth. Additional novels and dramas will be included in the course of study. A formal study of vocabulary and grammar will be integrated throughout the yearlong course. During one semester of study, students will complete a research paper. Students enrolled in this course should have a mature work ethic and should be prepared to work at a faster pace.

ENGLISH III--Credit 1.0

This English class combines a survey of American works from the 1600s to present day and a variety of compositions. The literature study will emphasize American literature, including Arthur Miller's play *The Crucible*, as well as many different short stories included in our textbook and a number of novels of their own choosing per semester. In addition, this course will provide a rigorous grammar and vocabulary program throughout the year, and composition work will include formal essay writing and a research project.

COLLEGE BOUND ENGLISH--Credit 1.0

Grade 12

Designed for students planning to continue their formal education beyond high school, this year-long course incorporates work involving many of the skills needed to succeed at the college level. Students will experience a close study of the organization and development of themes covering a comprehensive scope of writing styles and topics. Basic word processing, a comprehensive grammar review, vocabulary development, and spelling skills will be reinforced. Various forms of world, classic, and contemporary literature will be studied as the basis for literary writing and analysis, and classic works such as *Beowulf*, *Macbeth*, *Dante's Inferno*, and Chaucer are often paired with contemporary literature for a study of themes, symbols, and characterization. The primary goal of the class is to prepare students for a smooth, stress-free transition into and through their first year of post-secondary English education.

ENGLISH 1B --Credit 1.0

Prerequisite: Recommendation from 8th grade English teacher

This course will provide a program of study for students who have difficulty with basic literacy skills in the regular English program, but who are not necessarily classified as special education students. Emphasis will be on basic literacy skills, writing, and grammar. The Boys Town language arts curriculum will be utilized. Students who successfully complete the full year of Developmental English will usually be placed in English I as sophomores, English II as juniors, and Senior English as seniors.

SENIOR ENGLISH--Credit 1.0

Grade 12

Prerequisite: Teacher and Administrative approval

This year-long course is designed for students who are planning to attend technical colleges or enter the workforce. Included in this course will be vocabulary and spelling, technical reading and writing, grammar and composition, and a survey of literature. Completing a professional résumé and cover letter will be a requirement for this class.

AP ENGLISH LANGUAGE AND COMPOSITION--Credit 1.0

Grade 11

Prerequisite: Pre AP English II or instructor's permission

In reading another writer's work, students must be able to address fundamental questions about composition. Students entering AP English Language and Composition should possess fundamental skills in inquiry, analysis, and informed argument. Experiences with nonfiction are integral in understanding that writing has a purposeful, interactive value and transcends the skills that are assessed on the AP exam. Students will develop skills necessary to respond to the exam prompts. The AP Language and Composition course cultivates the reading and writing skills that students need for college success and for intellectually responsible civil engagement. The core skill required is the ability to read well. Students will also complete a rigorous grammar and vocabulary curriculum throughout the school year. In addition, students enrolling in AP Language and Composition will be expected to complete summer reading assignments. Students enrolling in AP Language and Composition should be highly motivated and have a well-developed work ethic.

AP LITERATURE AND COMPOSITION --Credit 1.0

Grade 12

Prerequisite: AP English Language and Composition or instructor's permission

Reading in AP Literature is both wide and deep. This reading necessarily builds upon and complements the reading done in previous English courses. A generic method for the approach to close reading involves the following elements: the experience of literature, the interpretation of literature, and the evaluation of literature. In addition to reading, writing is also an integral part of the AP Literature and Composition course and exam. Writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Although critical analysis makes up the bulk of student writing for the course, well-constructed creative writing assignments may help students see from the inside how literature is written. The goal of both types of writing is to increase students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do. Students will also complete a rigorous grammar and vocabulary curriculum throughout the school year. In addition, students enrolling in AP Literature and Composition will be expected to complete summer reading assignments. Students enrolling in AP Literature and Composition should be highly motivated and have a well-developed work ethic.

DUAL-CREDIT COMPOSITION I & II--Credit 1.0 (3 college credits per semester)

Grades 12

Prerequisite: For course admission, student must meet requirements for College giving credits. Students are required to enroll in both semesters--College Composition I is a prerequisite for College Composition II. Tuition or Fees are student's responsibility, payable directly to the Institution granting credit.

This course is intended to help students develop college-level competency in writing; to perform better in their other college classes; and to explore and practice techniques of observation, description, comparison, analysis, and other mental skills they will need in college. By the end of the year students should be able to express complex ideas clearly in writing. Students will prove they can do this by writing to learn and writing (and re-writing) essays. They should be able to use various mental skills important to higher learning. Students will demonstrate these skills in class discussion, daily writing, and formal essays. Students will be expected to think, write, speak, discuss, listen, and cooperate with a group. To be successful, students must demonstrate an active desire to learn, be open to the ideas and opinions of others, be highly motivated, and have a mature work ethic.

TECHNICAL READING AND WRITING --Credit 1.0

Grades 12

Prerequisite: Instructor's permission

This course includes the skills in verbal and written communication that students will need to be successful in the workplace. Students will know and use the terminology in their chosen field of work. They will understand, summarize, interpret, and compare information from simple and complex graphics. They will also demonstrate writing and presentation skills by producing different technical writing products, including formal research reports, formal presentations, and workplace writing (e.g., technical reports, manuals, explanations of how to understand or use a product or service, proposals, memoranda, resumes, and cover letters). In creating those products, students will demonstrate an understanding of the methods and strategies for organizing and presenting information in the workplace.

OTHER LANGUAGE ARTS ELECTIVES

AP SEMINAR--Credit 1.0

Grade 10

A foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

MODERN JOURNALISM I and II--Credit 1.0

Grades 9-12

Recommended for students wishing to consider a position on the High Life or Bullpup staffs or desiring to put their English skills into practical usage. Included are skills designed to teach yearbook copy writing, news, feature, editorial, and sports writing, as well as photo planning and taking. Also included are techniques associated with the selling and designing of advertisements, designing layouts and yearbook theme development.

ADVANCED JOURNALISM & DIGITAL PRODUCTION--Credit 1.0

Grades 10-12

Prerequisite: Instructor approval; Complete Modern Journalism I & II

This is a full-year course for qualified sophomores, juniors, and seniors who have taken Modern Journalism who are recommended by the advisor, and who wish to become actively involved in the development and production of the biweekly school newspaper. This course is strictly a production-type course and require hours of outside school time, in addition to class time. (If the advisor has recommended the student, Newspaper Journalism may be waived.)

PROJECT MANAGEMENT & RESOURCE SCHEDULING --Credit 1.0

Grades 10-12

Prerequisite: Instructor approval; Complete Modern Journalism I & II, other requisites in Visual Arts CTE Pathway

This is a full-year course for qualified sophomores, juniors, and seniors who have taken Yearbook Journalism who are recommended by the adviser, and who wish to become actively involved in the development and production of the school's yearbook. This course is strictly a production-type course and requires hours of outside school time in addition to class time.

ADVANCED BROADCAST & VIDEO PRODUCTION--Credit 1.0

Grades 10-12

Prerequisite: Complete Modern Journalism I & II and Teacher Approval

Students use skills learned in Beginning Journalism to produce broadcast. Writers, anchors, on-the-air reporters, directors, camera technicians and equipment crewmembers are needed. Students must be trustworthy and cooperative and have excellent school attendance to be chosen for this class. All students must film outside of class activities each grading period. Interested students should take Beginning Journalism as early as possible in high school. Students will be expected to develop project treatments and storyboards, write shooting scripts, record and edit video projects. Selected video projects, depending on their quality, may be broadcasted within the school district and on the local cable access channel. Students may enroll as often as they desire provided that space is available and they have the instructor's permission. Repeat students will be expected to compete the normal class assignments and act as project leaders to aid other students in their learning. They may also be given alternate assignments based on their previous mastery of the subject matter. Students are expected to be strongly self-motivate, capable of working independently on in small groups.

PUBLIC SPEAKING--Credit 0.5

Grade 12

This is a Dual Credit Course.

Prerequisite: Seniors only and College admission criteria. Tuition and Fees are student's responsibility, paid directly to Institution granting College credit.

This course involves the study of the principles of the major types of speeches. Includes a variety of practical experience ranging from impromptu to formal. Emphasis is placed on speech preparation for delivery. This is a dual credit course.

INTRODUCTION TO POLICY DEBATE--Credit 0.5

Grades 9-12

This course provides foundation knowledge and skills for tournament competition. It covers debate theory, speaking skills, research skills, organizational skills, and topic analysis. Tournament participation is a course requirement. An additional fee for consumables is charged for this class. Participation Fee required.

ADVANCED POLICY DEBATE--Credit 0.5

Grades 11-12

Prerequisite: One year of Introduction to Policy Debate or Teacher Approval.

Debate involves preparation within the classroom for competitive tournaments in a first semester course. Experienced debaters will be limited to the time slot provided for them during the day. If scheduling is a problem, the debate coach's permission must be obtained before enrolling in Novice Debate.

Mathematics *Course Descriptions*

PRE ALGEBRA--Credit 1.0

Grades 9-12

Prerequisite: Teacher recommendation/approval

Pre-Algebra is a preparatory course for Algebra I. Topics included are using variables, evaluating expressions, solving equations and inequalities, computation with integers and rational numbers, problem solving strategies, critical thinking skills, estimation, percents, probability and statistics, measurements and geometry.

ALGEBRA I A--Credit 1.0

Grades 9-12

Prerequisite: Teacher recommendation/approval

This class is designed for students to complete Algebra I in two years. Generally, the first semester of the regular Algebra I course would be taught in one full year of Algebra A. (See Algebra I for course description.)

ALGEBRA I B--Credit 1.0

Grades 9-12

Prerequisite: Algebra IA, teacher recommendation/approval

This class is designed for students to complete Algebra I in two years. Generally, the first semester of the regular Algebra I course would be taught in one full year of Algebra IB, immediately following a year of Algebra IA. (See Algebra I for course description.)

ALGEBRA I--Credit 1.0

Grades 9-12

Prerequisite: Pre-Algebra

Contents of Algebra I contain mathematical fundamentals; computations, and applications involving various functions of polynomials and real numbers, solving first and second degree equations and inequalities, and graphing of functions.

GEOMETRY--Credit 1.0

Grades 9-12

Prerequisite: Algebra I (May be taken in conjunction with Algebra II)

This course is a study of the relationships involving: points, lines, planes, and space; parallels and perpendiculars; circles, triangles, and other polygons; constructions and transformations; areas and volumes; and inductive and deductive thinking. The student relies on the concepts of this ancient discipline to organize and develop the thinking process utilizing both direct and indirect proofs. Thus an individual student can develop a systematic approach to the thinking process; an appreciation for the application of geometry in everyday life; a concept of the unique structure of this mathematical system; and an opportunity to foster creativity from curiosity and imagination.

ALGEBRA II

Grades 9-12

Prerequisite: Algebra I & Geometry

This is a full-year course that continues to expand on the concepts that have been developed in Algebra I. Applications and attitudes relate to the unification of the fundamental concept in problem solving, both theoretical and practical, involving: relations and functions in the areas of exponents, logarithms, and polynomials; the real and complex number system; the theory and applications of permutations, combinations, and probability; patterns and progressions; matrices and/or determinants in the solutions of linear equations; the basics of the quadratic equation, and other topics that provide experience in revealing the structure of mathematics and the skills that can utilize the fundamentals in interpretation.

PRE-AP CALCULUS--Credit 1.0

Grades 10-12

Prerequisite: Geometry and Algebra II

This course consists of a preview into more complex levels of mathematics, including trigonometry. It samples higher degree polynomials; the conic sections; binomial expansion; mathematical induction; polar coordinates; and aspects of calculus. It is designed for the highly-motivated students of mathematics, thus enabling the student to understand and compare relationships and structures that exist in mathematics.

AP CALCULUS I --Credit 1.0

Grades 11-12

Prerequisite: Pre-AP Calculus

This course is designed to aid the college-bound student enrolling in the technological, engineering, or math curriculum. The course content includes the basic concepts of analytical geometry and fundamentals, techniques and applications associated with differentiation and integration basic to calculus. It is offered primarily to provide solid background for students to prepare them for the more complex offerings encountered at the college level, and to provide an opportunity for students to earn college credit via the AP exam. Emphasis will be placed on preparing students to take the AP Calculus AB test, and students will be strongly encouraged to take the AP exam.

AP CALCULUS II --Credit 1.0

Grades 11-12

Prerequisite: AP Calculus

This course is designed to be an extension of AP Calculus I. Topics to be covered includes integration, differentiation, logarithmic and exponential functions, trigonometry, infinite series, conic sections, functions of several variables, and multiple integration. Emphasis will be placed on preparing to take either the AP Calculus AB or BC test (depending on what the student did in AP Calculus 1), and students will be strongly encouraged to take the AP exam. Students taking the BC test need to understand there will be some independent study and preparation for topics on the test that may not be covered in class due to time constraints.

CAREER PREP MATH--Credit 1.0

Grades 11-12

Prerequisite: Algebra I, teacher recommendation/approval.

The classes' main focus is on the WorkKeys Curriculum. Students enrolled in this course would be identified by teachers and/or administrators and would be placed in this class to help them achieve a career ready status on the WorkKeys test. This class fits directly with the District's College, Career and Citizenship Ready initiative.

COLLEGE ALGEBRA PREP--Credit 0.5

Grades 11-12

Prerequisites: Algebra II, Intermediate Algebra

This course is offered during the spring semester, and is designed for those students who need to continue reviewing algebraic concepts in preparation for success in College Algebra. The course is structured to take some of the foundational College Algebra concepts at a slower pace in order to provide a solid background and a greater possibility of success in College Algebra. Students are allowed to take this course by teacher/administrative recommendation only. This is NOT a dual-credit class and college credit is NOT available.

COLLEGE ALGEBRA--Credit 0.5

Grade 12

Prerequisite: Pre-AP Calculus or the combination of Algebra II and Geometry, as well as College admission criteria.

Dual Credit Course and Tuition or Fees are student's responsibility, paid to directly to Institution granting credit.

This dual-credit course (in partnership with a local college) is designed to provide the college-bound student with the opportunity to earn required college mathematics credit while also earning high school math credit. It also prepares the student for more advanced college math courses such as Plane Trigonometry, Statistics, Calculus, and Analytical Geometry/Calculus. Topics include theory of equations, functions, inverse functions, complex numbers, determinants, matrices, and basic trigonometry.

STATISTICS--Credit 1.0

Grades 11-12

Prerequisite: Algebra I (only Juniors and Seniors are eligible to take this course)

This is a full year course that explores the concepts of probability and statistics. Students will develop, produce, and interpret graphs as they apply to real world situations, including analyzing misleading graphs. The course includes computations and interpretations of measures of central tendency, spread, and variation for sample and population for probability distributions as well as raw data. Other computations completed include percentile rank and z-scores. A study of probability is done including permutations, combinations, conditional probability, odds and mathematical expectation as it relates to probability, writing discrete probability distributions, Binomial probability distribution, Poisson probability function, and Hyper geometric probability function. An extensive amount of time is spent on the standard normal curve and applications concerning the normal distribution and specifically the Central Limit Theorem. Several forms of sampling are explored. Hypothesis testing is conducted for all sample sizes. Confidence intervals are computed for mean and standard deviation. Correlation coefficients and regression lines are computed along with exploring the relationship between the two. Chi-square distributions and one way and two way ANOVAs are computed to analyze the relationship between sets of data. Nonparametric statistics are briefly explored.

COLLEGE STATISTICS --Credit 1.0

GRADE 12

Prerequisite: Algebra II and/or Statistics and College admission criteria.

Dual Credit Course and Tuition or Fees are student's responsibility, paid directly to the Institution granting credit

The purpose of college statistics is to provide students with a sound conceptual introduction to the field of statistics and its many applications. The course will contain information on key statistical terms, concepts and principles. Execution of various statistical measures utilizing a graphing calculator; preparing and explaining a statistical analysis from a variety of data sets; and applying statistical analysis to real, relevant, and current situations facing society today.

INTERMEDIATE ALGEBRA--Credit 0.5

Grades 11-12

Prerequisite: Algebra II

This course is offered during the fall semester, and is structured to help bridge the gap between Algebra II and College Algebra. Concepts from Algebra II will be reviewed, and concepts in preparation for College Algebra will be taught. Students are allowed to take this class by teacher/administrative recommendation only. This is NOT a dual-credit course and college credit is NOT available. Seniors who are successful in this class may take either College Algebra for dual credit during the spring semester, or take College Algebra Prep if additional review/instruction is needed. Juniors who are successful in this class will take the College Algebra Prep Course during the spring semester, with the intentions of taking College Algebra for dual credit during either the fall or spring semester of their senior year.

Physical Education Course Descriptions

SPEED, POWER & STRENGTH (MEN) --Credit 0.5

Grades 9-12

Prerequisites: Physical Exam

Course Emphasis: Improve aspects of fitness that relate to athletic performance. This includes improving one's strength, power, flexibility, speed, cardiovascular fitness, muscular endurance, agility, and skill development. Reducing the risk of athletic injury will also be emphasized.

Level of Difficulty: This course is for the highly-motivated student who has demonstrated his/her serious interest in improving his/her athletic performance. The student must have a KSHSAA physical on file in the Athletic office by the first day of class. (For incoming freshmen, participation in the Summer Speed, Power, and Strength program would demonstrate one's "serious interest in improving his/her athletic performance".) See Fee Sheet.

SPEED, POWER & STRENGTH (WOMEN)--Credit 0.5

Grades 9-12

Prerequisites: Physical Exam

Course Emphasis: Improve aspects of fitness that relate to athletic performance. This includes improving one's strength, power, flexibility, speed, cardiovascular fitness, muscular endurance, agility, and skill development. Reducing the risk of athletic injury will also be emphasized.

Level of Difficulty: This course is for the highly-motivated student who has demonstrated his/her serious interest in improving his/her athletic performance. The student must have a KSHSAA physical on file in the Athletic office by the first day of class. (For incoming freshmen, participation in the Summer Speed, Power, and Strength program would demonstrate one's "serious interest in improving his/her athletic performance".) See Fee Sheet.

PHYSICAL EDUCATION I (INCLUDES KS. REQUIRED HEALTH COMPONENT) --Credit 0.5

Grades 9-10

PE I must be taken for 1 semester during the student's freshman or sophomore year. This semester course will provide students with the knowledge and skills to engage in a physically active and healthy life-style. One component of the curriculum is Health-Related Fitness activities such as aerobics, stretching, and dynamic exercises. Another portion of the PE I curriculum is Lifetime Physical Activities including: volleyball, softball, badminton and pickle ball. The final component is a Health-Wellness unit, which is presented in the classroom setting. Topics addressed in the Health-Wellness unit are Nutrition, Personal Safety, Stress and Critical Issues. Human sexuality is one of the topics covered in Critical Issues section.

To receive credit for the course, a student must:

1. Suit up when required and participate.
2. Take skills and written tests.

PHYSICAL EDUCATION II --Credit 0.5

Grades 9-12

Prerequisite: PE I

This course is designed to help the individual with his/her growth, development, and adjustment through a systematic program of physical activities and related experiences. The program is carefully selected to assist the person to develop total body control. Through the various activities, the individual is more able to understand his/her personal physical abilities. Class is available for both boys and girls in a coeducational setting.

To receive credit for the course, a student must:

1. Suit up each day and participate.
2. Take skill tests and written tests.
3. Fee: See Fee Sheet plus a uniform.

INDIVIDUAL ACTIVITIES --Credit 0.5

Grades 11-12

Prerequisite: PE 1

Individual Activities is a semester class offered to juniors and seniors and may be taken one time each year. This class is designed for the student who is interested in participating and acquiring basic skills and a sense of enjoyment within a variety of individual activities. Some examples of these activities include: golf, horseshoes, croquet, tennis, badminton, pickle ball, and table tennis. Students will be expected to suit out and participate in different individual activities. Grades will be determined by the student's participation and observation of classroom rules. See Fee Sheet.

TEAM ACTIVITIES --Credit 0.5

Grades 11-12

Prerequisite: PE 1

Team Activities is a semester class offered to juniors and seniors, and may be taken one time each year. This class is designed for the student who is interested in participating and acquiring basic skills and a sense of enjoyment within a variety of team activities. Some examples of these activities include: volleyball, basketball, softball, soccer, touch football, and indoor hockey. Students will be expected to suit out and participate in different individual sports. Grades will be determined by the student's participation and observation of classroom rules.

Yoga --Credit 0.5

Grades 9-12

Prerequisite: PE 1 or SPS with Health Component

Students will explore the practice of yoga. Beginning yoga postures (asanas) in combination with breathing techniques will be utilized to develop strength, flexibility, balance, and relaxation. Students will also practice sun salutations, vinyasa (flow), and balancing poses.

Science

Course Descriptions

PHYSICAL/EARTH/SPACE SCIENCE--Credit 1.0

Prerequisite: approval of counselor and science department

Physical Science is a one-year laboratory science course at the freshman level. Students will study one semester of physics and one semester of chemistry along with earth and space science topics. This course is intended to prepare students for continued study in biology, chemistry and physics. In order to pass the course, students must read assigned materials, participate in laboratory exercises, write lab reports, and complete homework assignments for each chapter.

BIOLOGY --Credit 1.0

Grades 9-12

In Biology, students discuss living systems and how they interact with man. In order to pass the course, students must read assigned materials, participate in laboratory exercises, write lab reports, and complete homework assignments for each chapter. Any student interested in learning about living systems and how they interact will benefit from this course. All students planning to enter careers that are science related should take this course.

AP BIOLOGY--Credit 1.0

Grades 11-12

Prerequisite: Biology and Chemistry and approval of instructor Recommended: Completion of, or concurrent enrollment – Anatomy & Physiology

The AP Biology course is a one-year laboratory science course designed to be the equivalent of a college introductory biology course taken by biology majors during their first year of college. After completion of the AP Examination some students, as college freshmen, are permitted to undertake upper level courses in biology or register for courses for which biology is a prerequisite. By structuring the course around the four “Big Ideas” (Evolution, Energy, Genetics, and Ecology) along with enduring understandings, and science practices, it will assist students in developing an appreciation for the study of life and help them identify and understand unifying principles within a diversified biological world. In addition to lecture, 25% of the class time will be utilized to conduct inquiry labs that will encourage detailed observation, accurate recording, experimental design, manual manipulation, data interpretation, statistical analysis and operation of technical equipment.

CHEMISTRY--Credit 1.0

Grades 10-12

Prerequisite: Biology and Algebra I

Chemistry is a one-year laboratory science course that deals with the structure and composition of matter, changes that occur in chemical reactions, and how to control chemical changes.

To receive credit for the course a student must:

1. Complete approximately 30-36 hours of laboratory assignments. Labs will be followed by an oral or written quiz or report
2. Learn how the structure of matter affects the interactions of materials.
3. Learn how to write and balance equations for chemical reactions.
4. Learn the mathematical relationships involved in chemical reactions.
5. Learn about many of the practical applications of chemistry.
6. Learn of the correct use of many types of lab apparatus and develop an efficient lab technique.
7. Develop and successfully use a procedure for qualitative analysis.

PRE-AP CHEMISTRY--Credit 1.0

Grades 10-12

Prerequisites: Biology, Algebra II (concurrent enrollment accepted)

This course is preparation for AP Chemistry. It will be an in-depth and fast paced approach to the concepts needed to be successful in college chemistry and AP Chemistry. Basic AP Labs will be performed. Problem solving with a math emphasis is used. Additional topics of equilibrium, electrochemistry, thermochemistry, redox reactions and nuclear chemistry will be studied. This course is recommended for students planning careers in science, medicine, engineering or health related areas.

AP CHEMISTRY --Credit 1.0

Grades 11-12

Prerequisite: Chemistry, approval of the instructor, and Algebra II

AP Chemistry is a one-year course designed to be equivalent to a general chemistry course that is taught at the college freshman level. At the end of the year, all students will have the opportunity to take the AP chemistry exam and possibly earn college credit. This would allow the student to take Chemistry II as a freshman in college or allow students to fulfill their laboratory science requirement. In order to pass the course, students must read assigned materials, complete homework assignments for each chapter, and pass all quizzes and tests.

ANATOMY & PHYSIOLOGY--Credit 1.0

Grades 11-12

Prerequisites: Biology & Chemistry or Physical Science/Biology (concurrent enrollment accepted)

Physiology is a one-year laboratory science course dealing with the parts of the human body and how they function. In this class, students will learn about the major physiological systems and how they are related to one another. Physiology is a college preparatory course that is suggested for students who plan to enter health related fields. At the end of the year, students will apply all information learned while dissecting a cat. In order to pass the course, students must read assigned materials, participate in laboratory exercises, write reports, and complete homework assignments for each class.

PRINCIPLES OF TECHNOLOGY--Credit 1.0

Grades 11-12

Prerequisites: Biology/Chemistry or Physical Science/Biology, Algebra I

Principles of Technology is a one-year laboratory science course that introduces applications of physics concepts and use of technology. Students are required to solve algebra based mathematical problems. Topics of study include force, work, rate, resistance, and energy. In order to pass the course, students must read assigned materials, participate in laboratory exercises, write reports, complete homework assignments for each chapter, and pass all quizzes and tests. Students who are planning careers in technology will benefit from this course.

PRE-AP PHYSICS--Credit 1.0

Grades 11-12

Prerequisites: Biology/Chemistry or Physical Science/Biology, Algebra II

In this course, students will learn about the relationship between force, energy and matter. Topics of study include motion, sound, fluids, electricity and nuclear physics. The course teaches problem solving skills and to prepare students for continued study in biology, analysis of experimental results. Students are chemistry and physics. In order to pass the course, students must read assigned materials, participate in laboratory exercises, write lab reports, complete homework assignments for chapter and pass all quizzes and tests.

AP PHYSICS --Credit 1.0

Grades 11-12

Prerequisites: AP Calculus I (may be taken concurrently), Pre-AP Physics, and approval of instructor

AP Physics is a one-year laboratory science course taught at the College Physics level and is an extension of Physics I. Topics of application includes force, motion, energy, oscillations, fluids, thermodynamics, electricity, optics, and nuclear physics. Students will learn analysis and problem solving skills at the college freshman level. In order to pass the course, students must read assigned materials, participate in laboratory exercises, write reports, complete homework and assignments for each chapter. This course is highly recommended for students who are planning careers in engineering, science, and medicine. At the end of the spring semester students may take the AP Physics test, which if successfully completed can earn college credit.

ENVIRONMENTAL SCIENCE--Credit 0.5

Grades 11-12

Prerequisites: Biology

Environmental Science courses examine the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution and conservation of natural resources.

AP ENVIRONMENTAL SCIENCE--Credit 1.0

Grades 11-12

Prerequisites: Algebra I, two core science classes (Physical Science/Biology or Biology/Chemistry)

The AP Environmental Science course is a full-year course designed to be the equivalent of a one-semester, introductory college course in environmental science. The AP Environmental Science course has been developed to be a rigorous science course that stresses scientific principles and analysis and includes a laboratory component; as such, it is intended to enable students to undertake, as first-year college students, a more advanced study of topics in environmental science, or alternatively, to fulfill a basic requirement for a laboratory science and thus free time for taking other courses. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Students will take an AP test at the end of the school year, which may allow them to receive college credit. College credit for AP courses is awarded by the college or university, not McPherson High School, and is subject to the policies of the higher education institutions.

Social Sciences *Course Descriptions*

HISTORY I --Credit 1.0

Grade 10

History I is a required 10th grade history class integrating American History, World History and Geography. The thematic time frame for the class will be ancient history (civilizations) through the minority experience in the United States in the 19th and 20th centuries CE. Areas of consideration will include Ancient Empires, World Religions, the Age of Exploration, World Revolutions, and the Minority Experience. History I is a mastery learning class. Each Unit of study will conclude with a Unit Exam. A student who has not achieved a cumulative grade of 60% prior to the administering of a Unit Exam will not be allowed to take the exam until the grade has been raised to the aforementioned 60% through back-work, make-up work, extra credit, etc. Failure to complete all daily work, projects, etc. to the instructor's satisfaction will result in the student receiving an F for the semester. Mastery for the individual Unit Exams is 70%.

HISTORY II --Credit 1.0

Grade 11

History II is a required 11th grade history course that integrates world history with additional emphasis on cultural diversity, social reform, imperialism, world wars, a world society and reformers. Topics will be taught using a thematic approach with students linking events. History II is a mastery learning class. Each Unit of study will conclude with a Unit Exam. A student who has not achieved a cumulative grade of 60% prior to the administering of a Unit Exam will not be allowed to take the exam until the grade has been raised to the aforementioned 60% through back work, make-up work, extra credit, etc. Failure to complete all daily work, projects, etc. to the instructor's satisfaction will result in the student receiving an F for the semester. Mastery for the individual Unit Exams is 70%.

AP UNITED STATES HISTORY--Credit 1.0

Grade 11

Advanced Placement United States History (APUSH) is designed to prepare students for the extensive end-of-the-year national exam, which, if successfully completed, can earn them credit or advanced placement at many of the nation's colleges and universities. This course is designed to provide students with the skills and knowledge necessary to deal critically with the problems and materials of United States History. Students will learn to analyze historical materials, determine their relevance and reliability and weigh the importance of this information toward American History. APUSH is an upper-level, fast-moving course covering the Age of Exploration (1492-1650) to the present. This historic time span is divided into thirty- three separate units. This class carries a heavy reading load and students should be prepared to have reading assignments each night. Students enrolled in this class should, therefore, be highly motivated and demonstrate a strong work ethic.

AP WORLD HISTORY --Credit 1.0

Grade 10

Advanced Placement World History is offered as a sophomore level class that will be taught on the level of an entry-level college course. Traditional historical points of reference in world history will be covered as students analyze important events and issues in western civilizations as well as in Southwest, East and South Asia, Africa and the Americas. Students evaluate traditions and institutions, which form the basis of the world's major civilizations and cultures. Students examine the impact of geographic factors on major historic events and identify the historic origins of contemporary economic systems. Students analyze the process by which democratic-republican forms of governments evolved as well as the ideas from historic documents that influence that process. Students trace the historical development of important legal and political concepts. Students examine the history and impact of major religious and philosophical traditions. Students analyze the connections between major developments in science and technology and the growth of economies, and the use of the process of historical inquiry to research, interpret, and use multiple sources of evidence. Students will address the higher-level thinking skills or Habits of the Mind and themes common to Advance Placement social studies classes and the PSAT and SAT admissions test. *All Standards and expectations for this course are with the express purpose of preparing students for the international AP World History exam given in May.

AMERICAN GOVERNMENT/ECONOMICS--Credit 1.0

Grade 12

American Government/Economics is a required 12th grade social science course. Areas of concentration are: Political and economic systems found throughout the world; the Constitution and Bill of Rights; politics; the Legislative, Executive and Judicial Branches of government; rights and responsibilities of citizenship; state government; local government; major economic systems, basic economic principles and personal, national and international economic concerns.

AP UNITED STATES GOVERNMENT --Credit 1.0

Grade 12

AP United States Government is designed to prepare students for the extensive, end-of-the-year national test, which, if completed successfully, can earn them credit or advanced placement at many of the nation's college. The purpose of the AP course is to give students an analytical perspective of government and politics in the United States. It involves the study of general concepts used to interpret U.S. politics and an examination of the kind of government the Constitution established, with particular attention given to federalism and the separation of power.

Units of study include:

- I. Development of the Constitution
- II. Political Beliefs and Behaviors
- III. Political Parties, Interest Groups and the Media
- IV. Institutions of National Government (Congress, Presidency, Federal Courts)
- V. Public Policy
- VI. Civil Rights and Civil Liberties

OTHER SOCIAL SCIENCE ELECTIVES

CURRENT ISSUES--Credit 0.5

Grades 9-12

The focus of this class will be those current events that are changing our social, political, and economic life. The course will also cover recent religious and militaristic events that shape our world today. The student will, along with the teacher, provide worthwhile topics for class discussion. Daily news sources, such as newspapers, television news shows, radio, magazines, and the Internet will be used in this class. The class will progress from basic, to intermediate, and finally advanced skills in current events studies. The class will conclude with topic specific units.

AP HUMAN GEOGRAPHY--Credit 1.0

Grades 9-12

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of the Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. As AP this is a college level course, but is appropriate for Grade 9 and above.

GEOGRAPHIC INFORMATION SYSTEMS

Grades 11 – 12

This course examines the uses of Geographic Information Systems (GIS). GIS is a mapping technology that allows the user to create and interact with a variety of maps and data sources. GIS integrates databases with georeferenced spatial data (maps tied to specific information and locations). In other words, GIS allows the user to create visual displays of information, GIS technology has broad applications in natural and social sciences, humanities, environmental studies, engineering, and management. Students will use GIS to visualize, question, analyze, and interpret data to understand relationships, patterns, and trends. While utilizing GIS, the student will decide how the data will be displayed. In the class, GIS projects will range from global projects to local projects. Students will collect and create their own data and use the GIS to display the data and analyze the results.

PSYCHOLOGY--Credit 0.5

Grades 10-12

The course offering is designed to provide students with a better understanding of their motivations, actions, and needs. Areas studied are motivation and behavior, mental health, the unconscious, and intelligence.

PSYCHOLOGY LAB --Credit 0.5

Grade 12

Prerequisite: Psychology

Psych lab is an independent study in which students will work with a cooperating teacher either on the grade school level or with Special Ed. Students must be self-motivated regarding attendance and working with younger students. Cooperating teachers working with Psych Lab students will decide if the student passes or fails the course. The Psych Lab instructor reserves the right to recommend a Psych Lab student be removed at any point in the semester due to 10 absences or an unfavorable report from a cooperating teacher. ALL PYSCH LAB STUDENTS ARE RESPONSIBLE FOR ARRANGING THEIR OWN TRANSPORTATION TO AND FROM THEIR PSYCH LAB PLACEMENT.

SOCIOLOGY--Credit 0.5

Grades 9-12

This course of study deals with the study of human behavior. Some areas of study are: marriage, the family, mental health, crime, drugs, problems of people in society, and the effects of heredity and environment. Sociology will deal with your personality and how you adjust to the American society and how your values are tested, as you grow older.

SOCIAL JUSTICE – Credit 0.5

Grades 11-12

This course will provide students a safe environment in which to study poverty and near poverty through the lens of economic class to better understand how our society and the economy work. Students will investigate the impact that poverty and low wages have on individuals, families and communities. Through this investigation students will further learn how to make impactful decisions for their own future selves and/or those in need.

Dual Credit, (Non CTE College Classes) Course Descriptions

*****ALL COLLEGE TUITION FEES AND TEXT BOOK COSTS WILL BE PAID BY THE STUDENT
DIRECTLY TO THE INSTITUTION GRANTING CREDIT*****

BUSINESS LAW—Credit 1.0

Grades 11-12

Prerequisite: History I or AP World and Accounting I

Business Law emphasize legal concepts that are relevant to business and business organizations. Topics examined in this course typically include: contracts, buying/renting property, installment buying, insurance, buyer/seller relationships, negotiable instruments, employment, taxes, insurance, commercial papers, legal, organizational structures, and consumer liabilities. This is a dual credit course.

COLLEGE ALGEBRA--Credit 0.5

Grade 12

Prerequisite: Pre-AP Calculus or the combination of Algebra II and Geometry, as well as College admission criteria.

This is a Dual Credit Course and Tuition or Fees are student's responsibility, payable directly to the Institution granting credit. Student must have 21 or greater score on ACT Math portion to be accepted

This dual-credit course (in partnership with a local college) is designed to provide the college-bound student with the opportunity to earn required college mathematics credit while also earning high school math credit. It also prepares the student for more advanced college math courses such as Plane Trigonometry, Statistics, Calculus, and Analytical Geometry/Calculus. Topics include theory of equations, functions, inverse functions, complex numbers, determinants, matrices, and basic trigonometry.

COLLEGE LEVEL SPANISH--Credit 0.5

Grade 12

Prerequisite: Spanish II, as well as College admission criteria.

This is a Dual Credit Course and Tuition or Fees are student's responsibility, payable directly to the Institution granting credit. Student must have 17 or greater score on ACT Reading portion to be accepted

College Level Spanish is designed to increase the students' chances of reaching a higher level of competency in Spanish.

Cultural content continues to be a focal point for all lessons. To receive credit, students will:

1. Communicate in Spanish.
2. Read selected material from Hispanic classics, short stories, articles and poetry.
3. Continue to work toward increased proficiency in the language.

PUBLIC SPEAKING--Credit 0.5

Grade 12

Prerequisite: Seniors only, as well as College admission criteria.

This is a Dual Credit Course and Tuition or Fees are student's responsibility, payable directly to the Institution granting credit. Student must have 17 or greater score on ACT Reading portion to be accepted

This course involves the study of the principles of the major types of speeches. Includes a variety of practical experience ranging from impromptu to formal. Emphasis is placed on speech preparation for delivery. This is a dual credit course.

COLLEGE STATISTICS--Credit 0.5

Grades 12

Prerequisite: Algebra II and/or Statistics, completion of College Algebra, as well as College admission criteria.

This is a Dual Credit Course and Tuition or Fees are student's responsibility, payable directly to the Institution granting credit. Student must have 23 or greater on ACT Math portion to be accepted

The purpose of college statistics is to provide students with a sound conceptual introduction to the field of statistics and its many applications. The course will contain information on key statistical terms, concepts and principles. Execution of various statistical measures utilizing a graphing calculator; preparing and explaining a statistical analysis from a variety of data sets; and applying statistical analysis to real, relevant, and current situations facing society today.

COLLEGE COMPOSITION I--Credit 0.5

Grades 12

Prerequisite: Department/Administration Approval, as well as College admission criteria.

This is a Dual Credit Course and Tuition or Fees are student's responsibility, payable directly to the Institution granting credit.

English/Composition courses are designed for Seniors and build upon previous skills. Reinforcing the logic and critical-thinking skills that accompany good writing, these courses; which emphasize word choice, usage, and writing mechanics; provide continued and advanced instruction in writing for a variety of purposes and audiences English/Composition senior courses may emphasize college or business preparation; literature study may be offered as an additional component in which students analyze examples of several genres.

COLLEGE COMPOSITION II--Credit 0.5

Grades 12

Prerequisite: Department/Administration Approval, as well as College admission criteria.

This is a Dual Credit Course and Tuition or Fees are student's responsibility, payable directly to the Institution granting credit.

Composition courses focus on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expository styles as they write paragraphs, essays, letters, application, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction scholarly, or formal writing.

ADVANCED ART --Credit 1.0

Grades 11 - 12

Prerequisite: Art I, Drawing and a minimum of two other art courses. The prospective students must also submit a portfolio with 8 pieces. The art teachers will then review and evaluate the portfolio. Departmental recommendations will then determine student's admittance.

Course Descriptions for Courses Requiring Approval

ACHIEVEMENT LAB – Credit 0.5

Prerequisite: Administrative Approval

This course will offer students the opportunity to improve their academic success by providing a structured setting for homework completion, tutoring and study skills improvement.

ACT Preparation – Credit 0.5

Grades 11-12

Prerequisites: Students must meet, exceed, or be within 2 points of the college ready benchmark on the ACT taken, either their Junior year or the summer preceding their Senior year

Students in ACT Preparation will work with an instructor to determine areas needing further development in order to increase scores on the ACT test. Students will also learn about ACT test structure and question blueprints in order to enhance performance on the ACT.

BULLPUP SCHOLARS --Credit 0.5

Grades 7-12

Prerequisites: Must meet the criteria set out in Bullpup Scholar by-laws which currently reads: students must have a GPA of 3.7 and/or meet the college readiness benchmark on an ACT assessment in all four areas. Students not meeting these criteria and identified as gifted may be placed in this course upon recommendation of his/her IEP team

Bullpup Scholars Class offers highly motivated students the freedom to create projects and explore topics that they select. Students choose between two themes, which change each semester. Students may interpret the themes in the manner that interests them most so that their daily work is exciting and fun! They may be creative in connecting their passions with the class themes. Students are expected to take risks, make mistakes, and resolve problems they encounter, contact mentors or professionals for help, and prepare their Showcase Event presentation. Teachers grade students on participation and quality of work. The class is pass/fail and an A or B (80-% or above) average is required to pass the class.

CAREER AWARENESS IN SPECIAL EDUCATION (CASE) --Credit 0.5

Grades 11-12

Prerequisites: Administrative Approval

Students from MHS will have the opportunity to enroll in a semester class where they serve as peer tutors for special needs students in the building. Activities will range from playing a game with the students, assisting them with assignments or attending an out of school event with a special needs peer. Students enrolled in the program will also be required to interview various professionals/parents in the field of special education. Throughout the semester, students will be required to spend a minimum of 12 hours, outside the regular classroom day, interacting with their special needs peers in a variety of settings including lunches together, community outings and social occasions.

CAREER EXPLORATION – Credit 0.5

Grade 12

Prerequisite: Administrative Approval and completed application

Career Exploration provides students with work experience to help prepare for their career of choice. Students may work specifically in their chosen field, in an entry level position that leads to the chosen career, or in a closely related field if the specific field is not locally available. This career experience may be paid or non-paid. Students will be required to submit work hours and paystubs. Reflection journals or teacher assigned activities will be required to receive school credit. Students enrolled in Career Exploration may not be enrolled concurrently in Work Study, Office Aide, Teacher Aide, Library Aide, PE Leader, or Psych Lab.

COLLEGE EXPERIENCE OPPORTUNITY--Credit 0.5

Grade 12

Prerequisites: Administrative Approval.

Seniors with at least a B average may arrange to attend one of the area colleges or universities that has a concurrent enrollment agreement on file with MHS. Seniors approved for this course must enroll in a minimum of four classes during the school day at MHS. Students may not take a college course to fulfill a core requirement at MHS. Students and their parents are responsible for payment of all tuition and related expenses and transportation. A three credit hour college course is equivalent to a one semester class and worth one half unit of credit at MHS. A class taken at an area college or university during the school day must total a minimum of three credit hours. If scheduling conflicts arise, up to two high school periods may be granted, but will only count as one half unit of high school credit. Any college course(s) taken outside of the school day must meet the criteria of three credit hours to fulfill the equivalent of one class at MHS. A student must be enrolled in a minimum of six collegiate credit hours to be enrolled in three hours of College Experience in their MHS class schedule. It is the student's responsibility to provide verification of enrollment prior to the beginning of the semester they are enrolled as well a turn in final grade at the end of the semester.

ENGLISH AS A SECOND LANGUAGE

Prerequisites: Administrative Approval.

GUIDANCE AIDE--Credit 0.5

Prerequisite: Guidance Counselor approval

The student may apply for placement as an aide in the guidance office. Upon receiving a written statement of approval from the office personnel, the student will be enrolled. The duties will include errands, routine tasks, typing, use of the office machines, answering telephones, etc. Students enrolled in Guidance Aide may not be enrolled concurrently in Work Study, Teacher Aide, Library Aide, PE Leader, Psych Lab or Internship.

HIGH SCHOOL SUCCESS --CREDIT 0.5

Prerequisites: Administrative Approval

This course will offer students the opportunity to improve their academic and organizational skills to bolster academic performance. Students will be expected to complete regular class assignments and to participate actively. The course may be taken one or both semesters.

INDEPENDENT STUDY --Credit 0.5

Prerequisites: Administrative Approval

Independent study is an opportunity for a student to explore in-depth subject areas of personal interest. Students will prepare an application with the sponsoring teacher. Initial permission to take an Independent Study will be ascertained from a counselor at the time of enrollment. The formal application must be approved by the Principal prior to the beginning of the class.

INTERNSHIP --Credit 0.5

Grade 12

Prerequisites: Administrative Approval and Completed Application

This course will offer students the opportunity for intern experience in an area of strong career interest. This internship will be conducted in a non-pay status. Students will be required to journal their work experience. Internship is available for senior students who complete the application and interview process and are accepted into the program by January of the students' junior year. It is the student responsibility to find prospective internship placement. Students will be placed in approved intern sites based on their Five-Year Plan, career interests and aptitudes. Students must attend the work site during the school day. Students are required to be at approved work sites for the length of their enrollment in the course. Students enrolled in Internship may not be enrolled concurrently in Work Study, Office Aide, Teacher Aide, Library Aide, PE Leader, or Psych Lab. Internship is offered 7th hour only.

OFFICE AIDE--Credit 0.5

Prerequisite: Guidance Counselor approval

The student may apply for placement as an aide in the office. Upon receiving a written statement of approval from the office personnel, the student will be enrolled. The duties will include errands, routine tasks, typing, use of the office machines, answering telephones, etc. Students enrolled in Office Aide may not be enrolled concurrently in Work Study, Teacher Aide, Library Aide, PE Leader, Psych Lab or Internship.

SOCIAL JUSTICE –Credit 0.5

Prerequisites: Administrative Approval

This program will provide students a safe environment in which to study poverty and near poverty through the lens of economic class to better understand how our society and the economy work. Students will investigate the impact that poverty and low wages have on individuals, family and communities. Through this investigation students will further learn how to make impactful decisions for their own future selves and/or those in need.

STRIVE --Credit 0.5

Prerequisite: Referral to the program as the result of a team staffing, evaluation and IEP program placement

This program is designed to meet the individual needs of each student in the program. In addition, emphasis is placed on residential maintenance, consumer abilities, and vocational skills. At another level, self-help and communication skills are also covered.

STUDY SKILLS --Credit 0.5

Prerequisite: Referral to the program as the result of a team staffing, evaluation, and IEP program placement

The class is designed to meet the individual needs of each student in the program. This is accomplished by developing/improving the student's study and survival skills, modifying academic presentations, using grade level materials, and using other high school curriculum.

TEACHER AIDE--Credit 0.5

Prerequisite: Guidance Counselor and teacher approval

The student may apply for a placement with a specific teacher as an aide. Upon receiving a written statement of approval from the teacher, the student will be enrolled. Aides may be expected to type, use office machines, grade objective papers, prepare teaching materials, etc. The student will meet with the teacher every day and will be expected to be under the supervision of the teacher for the entire 57 minutes of each class period. Students enrolled in Teacher Aide may not be enrolled concurrently in Work Study, Library Aide, Office Aide, PE Leader, Psych Lab, or Internship.

VOCATIONAL WORK STUDY --Credit 0.5

Prerequisite: Referral to the program as the result of a team staffing, evaluation, and IEP program placement

This program is designed to meet the individual vocational needs of each student. The program assesses and works to improve each student's work skills and behaviors through a variety of school and/or community-based job placements. The student may receive from one to three credits, depending on the IEP and the enrollment schedule.

FOREIGN LANGUAGE COURSE DESCRIPTION

Chinese, French, German, and Japanese foreign language courses are going to be offered online at McPherson High School. Students enrolling in these courses must be self-motivated and good independent learners. Students should use the course daily. Sporadic use leads to lower retention and motivation. Students should also follow instructions carefully and pause and review as needed. Because this course is computer-based, students should have basic keyboarding skills and be comfortable with getting online, using email, and using a word processor. These courses are aligned to the national Foreign Language standards.

*****CHINESE I--Credit 1.0**

Grade 10-12

Online only with Administrative Approval.

This is a beginning level course that will introduce the student to a variety of areas of Mandarin Chinese (Simplified). In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Introduction to Chinese, Greetings, Calendar, Weather, and Time), students learn to express themselves using an ever-increasing vocabulary. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the Chinese speaking world and their culture, people, geographical locations and histories.

*****CHINESE II--Credit 1.0**

Grades 10-12

Online only with Administrative Approval.

This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning.

*****FRENCH I--Credit 1.0**

Grades 10-12

Online only with Administrative Approval.

The goal of this course is to give students basic listening, speaking, reading, and writing skills through activities based on pedagogically proven methods of foreign language instruction. Throughout the five units of material - Greetings, Calendar, Weather, Time and Colors - students learn to talk about themselves and other, describe their surroundings and use numbers for dates and time. Regular verbs are introduced in the present tense. Simple grammatical structures are practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is presented throughout the course to help students understand the context of the language and to better understand the perspectives of the French-speaking world. The course is aligned to the national Foreign Language standards and provides a way to focus on the five important aspects of foreign language instruction: communication, culture, connections, comparisons and community. These are the "Five C's of the Foreign Language Education" as outlined in Standards for Foreign Language Learning: Preparing for the 21st Century.

*****FRENCH II --Credit 1.0**

Grades 10-12

Prerequisite: French I - Online only with Administrative Approval.

This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Daily Routine, Animals, Hobbies, The Body and Descriptions), students learn to express themselves using an ever-increasing vocabulary, present-tense verbs, articles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Culture is sprinkled throughout the course in an attempt to help the learner focus on the French speaking world and their culture, people, geographical locations and histories.

*****FRENCH III --Credit 1.0**

Grades 11-12

Prerequisite: French II - Online only with Administrative Approval

This third year French course is a continuation of the first two years. The student will continue to improve listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units - Feelings, Transportation, Work, Countries and Future - students build on previous knowledge with additional vocabulary, verb tenses, and grammatical structures appropriate to their level. Grammar is introduced and practiced in innovative and interesting ways with a variety of learning styles in mind. Exposure to the culture of France and French-speaking countries can be found throughout the course in order to help students understand French in its context, as a truly dynamic language used for communication by millions of people in the world.

*****GERMAN I --Credit 1.0**

Grades 10-12

Online only with Administrative Approval.

First year German students start out by learning introductions, greetings, and the days of the week, words and phrases to find out information, vowel pronunciation, and how to use articles, plurals, and noun/adjective agreement with gender. From there, they begin to incorporate their new vocabulary through rhythm and cadence, recognize sentence patterns and build comprehension skills, increase their fluency, practice counting and simple math, learn to form plurals with greater accuracy, use infinite verbs, and form question statements.

*****GERMAN II --Credit 1.0**

Grades 10-12

Prerequisite: German I - Online only with Administrative Approval.

This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading, and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Der Tagasablauf, Die Tiere, Die Freizeit,.

*****JAPANESE I --Credit 1.0**

Grades 10-12

Online only with Administrative Approval.

This is a beginning level course that will introduce the student to a variety of areas of language learning. In this course, the student will learn listening, speaking, reading and writing skills through activities that are based on pedagogically proven methods of foreign language instruction. Throughout the five units of material (Greetings, the date, Time, Colors and Places), students learn to express themselves using an ever-increasing vocabulary, present-form verbs, particles, and adjectives. Grammar is introduced and practiced in innovative and interesting ways with a variety of leaning styles in mind. Cultural information in the course will teach the student about Japanese culture, people, society, and history.

*****JAPANESE II --Credit 1.0**

Grades 10-12

Online only with Administrative Approval.

This course is a continuation of a beginning level course that will introduce the student to a variety of areas of language learning.

**2019-2020 Class Fees
McPherson High School**

Student Fees (per semester) 2019-20

Advanced Art	\$16.00
Art 1	\$30.00
Ceramics	\$10.00
Design	\$10.00
Drawing	\$10.00
Metal Crafts (Jewelry or Glass Forming)	\$20.00
Nutrition and Wellness I or II	\$12.00
Painting	\$10.00
Personal Finance	\$10.00
Prep for College Work and Family	\$12.00
Printmaking	\$10.00
Robotics	\$ 8.00
Sculpture	\$10.00

Student Fees (per year) 2019-20

Accounting	\$30.00
Advanced Carpentry Technology	\$ 8.00
Advanced Placement Exam Fees	\$44.00
Auto Tech II or III	\$ 4.00
Band Instrument Rental	\$25.00
Basic Drafting	\$ 8.00
Carpentry Technology	\$ 8.00
Chromebook Rental (see note below)	\$35.00
Computer Aided Drafting I, II, or III	\$ 8.00
Computerized Accounting II	\$30.00
Orchestra Rental Fee	\$25.00
Production Welding I or II	\$20.00
Science Lab Fee	\$10.00
Yearbook (optional)	\$55.00
MHS Activity Pass	\$35.00
Activity Participation Fee (includes Act. Pass)	\$50/\$35/\$0

Note: Chromebook fee is waived for students qualifying for free meals.

NCAA

The following is a list of approved NCAA courses offered at McPherson High School including the core-courses used to calculate your eligibility to participate in college athletics in Div. II, III, and I. A student must have at least 16 core courses from the selection below. Please see a counselor if you have questions or are unsure of your status. **McPherson High School NCAA Code: 171965**

English

AP Lit and Comp
AP Lang and Comp
Pre AP Eng 1
Pre AP Eng 2
Coll Bound Eng
Eng 1
Eng 2
Eng 3

Social Sciences

AP Am Gov
Am Gov
Am Gov/Econ
AP US Hist
Hist 1
Hist 2
AP World
AP Human Geog
Psych Lab
Psychology
Sociology
Current Issues

Mathematics

Coll Algebra
Coll Statistics
AP Calc 1
AP Calc 2
Alg 1
Alg 2
Alg 1A (.5 Cr Max)
Alg 1B (.5 Cr Max)
Geometry
Pre Calc/Trig
Statistics

Natural/Physical Sciences

Anat and Phys
AP Biology
Biology
AP Chemistry
Pre AP Chem
Chemistry 1
AP Envir Sci
Coll Physics A
Coll Physics B
AP Physics
Pre AP Physics
Prin of Tech 1
Phy/Earth/SP Sci

Additional Courses

Debate, Adv (Max 1 Cr for all Debate)
Debate, Intr (Max 1 Cr for all Debate)
Forensics, Novice (Max 1 Cr for all Spch/Forens)
Forensics, Adv (Max 1 Cr for all Spch/Forens)
Public Speaking (Max 1 Cr for all Spch/Forens)

Humanities 1 (.5 Cr)
Humanities 2
Mythology
Chinese 1
Chinese 2
French 1
French 2
French 3
German 1
German 2
German 3
Japanese 1
Japanese 2
Spanish 1
Spanish 2
Spanish 3
Spanish 4
College Spanish

