

McLouth High School

“Home of the Bulldogs”

Course Description Handbook

2015-2016



Introduction

This handbook is presented by McLouth High School as a source of information regarding the careers of study and the graduation requirements of our school. It is essential that students enroll in courses which are appropriate and beneficial for their post-graduation plans. Students should examine the career guidelines and visit with parents and the guidance counselor to plan the most appropriate course enrollment. Students should refer to the course listings page for required courses and electives.

Students planning for college will need to take courses which will prepare them for college level work. Students who do not plan to go to college should examine the requirements of their career choice so that they can enroll in courses which will help to prepare them for their job preference.

The counselor can provide information about colleges, technical schools, and independent study to help with enrollments. For school events, daily announcements and updates please visit our school website at www.mclouth.org.

You may contact the guidance office with questions about total credits, graduation requirements, career goals, or the enrollment process.

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Graduation Requirements

Units	Department	Courses
4	Language Arts	Freshman English*, Sophomore English, Honors Sophomore English, Junior English, Honors Junior English, Senior English, Advanced Literature, College English.
3	Social Studies	World History,* American History,* Current Events, Government,* Psychology, International Issues and Solutions.*
3	Mathematics	Algebra I, Algebra IB, Algebra II, Algebra IIB, Geometry, Plane Geometry, College Algebra, Trigonometry, Calculus, Consumer Math, Pre-Engineering Math, Financial Algebra.
3	Science	Biology, Chemistry, Chemistry II, Physics, Earth Space Science, Anatomy & Physiology, Engineering & Technology, Animal Science .
1	Physical Education	Physical Education/Health*, Physical Conditioning, Advanced PE.
1	Fine Arts	Band, Jazz Band, Choir, Music Lessons, Art, Spanish I-IV.
1	Practical Arts	Modern Living/Community & Career Connections, Event Planning & Management/Nutrition & Wellness, Food Science/Culinary Arts, Business Economics, Accounting I, Adv. Accounting, Entrepreneurship, Business Management, Agriscience, Ag Mechanics, Ag Welding I & II, Research in Ag, Animal Science, Ag Communications, Animal Health/Vet Tech, Washburn Tech Program.
8	Electives	<u>Any listed above not used to fill another requirement.</u> Student Para, Driver's Education (¼ unit), Yearbook I-III, On-line Enrichment (PLATO Lab)

24 Total Units of Credit

*** Required course**

Credit- One unit of credit is equal to one complete year of a course, two semesters.

Grade Level Classification- The following (minimum) credits are required to be classified as:

Sophomore- 5

Junior- 11

Senior- 17

McLouth High School Course Listing

Students may enroll in previous grade level courses.

(Courses are one year in length unless otherwise noted)

Be sure to carefully check to see if you are meeting graduation requirements and the **Kansas Board of Regents Qualified Admission Curriculum** for college.

9th Grade:

Required Courses:

English: Freshmen English

Science: Biology

Math: Algebra I or Algebra IB or Geometry

PE/Health

3 hours of electives from:

Agriscience, Art, Band, Business Economics, Choir, Current Events, Food Science/Culinary Arts, Jazz Band, Music Lessons, Spanish I, Yearbook*

10th Grade:

Required Courses:

English: Sophomore English or Honors Sophomore English*

Science: Physical Science or Chemistry*

Math: Algebra II or Algebra IIB or Geometry or Plane Geometry

Social Studies: World History

3 hours of electives from:

Accounting I, Ag Welding I, Agriscience, Animal Science, Art, Advanced PE, Band Business Communications, Business Economics, Choir, Current Events, Event Planning/Nutrition & Wellness, Food Science/Culinary Arts, Jazz Band, Modern Living/Career Connections, Music Lessons, Physical Conditioning, Spanish I or II, Yearbook I or II*

*** Requires Instructor Permission**

11th Grade:

Required Courses:

English: Junior English or Honors Junior English*

Science: Chemistry or Physics* or Advanced Biology or Anatomy & Physiology

Math: Algebra II or Algebra IIB or Geometry or Plane Geometry or College Algebra/Trigonometry

Social Studies: American History

3 hours of electives from:

Accounting I, Advanced Acct, Advanced Literature, Ag Mechanics, Ag Welding I & II, Animal Science, Art, Advanced PE, Band, Business Communications, Business Economics, Choir, Current Events, Event Planning/Nutrition & Wellness, Food Science/Culinary Arts, Jazz Band, Modern Living/Career Connections, Music Lessons, Physical Conditioning, Spanish I or II or III, Yearbook I or II or III*, Washburn Tech School **

12th Grade:

Required Courses:

English: Senior English or Advanced Literature or College English

Social Studies: Government/International Issues & Solutions

Recommended Courses:

Math: Algebra II or College Algebra/Trigonometry or Pre-Engineering Math/Financial Algebra or Calculus

Science: Chemistry or Advanced Biology or Physics or Environmental Science or Chemistry II

3 -5 hours of electives from:

Accounting I, Advanced Acct, Ag Mechanics, Ag Welding I & II, Agribusiness,, Animal Science, Ag Leadership & Comm. Art, Advanced PE, Band, Business Communications, Business Economics, Choir, Current Events, Event Planning/Nutrition & Wellness, Food Science/Culinary Arts, Jazz Band, Modern Living/Career Connections, Music Lessons, Physical Conditioning, Psychology, Spanish I through IV, Yearbook I or II or III*, Washburn Tech School **

* Requires Instructor Permission

** Programs are offered at Washburn Tech in the morning; students must be in good standing

Enrollment Guidelines

1. Take all required courses as early as possible to ensure graduation.
2. Do not delay taking the courses necessary/useful for college entrance.
3. Carefully select courses that will benefit you in your plans for an education or career.
4. Each year check carefully to see that you are meeting graduation requirements.
5. Talk to the guidance counselor, principal, teachers and others in your chosen career field to obtain all the information you can.
6. Many jobs and college requirements are different according to state institutions, out of state, etc. Always check requirements carefully.
7. Students are to enroll for a full schedule.
8. Courses taken, hours scheduled, etc., are the responsibility of the counselor, principal, and student.
Everything possible will be done, to help you have satisfactory classes. But sometimes there are limitations to the schedule. Final schedule decisions rest with the counselor.

Board of Regents Universities

Students applying to any of the six Kansas Regents Universities must meet certain admission criteria. It is important that you and your family know & understand these requirements so you are ready for college when you graduate from high school. You should regularly review your education plan with your high school counselor and your parents to make sure you are on the right track.

Admission Requirements:

To qualify for admission to any of the six Kansas Regents Universities, Students graduating from an accredited Kansas high school, under the age of 21, MUST:

- Complete the precollege or Kansas Scholars Curriculum with at least a 2.0 GPA; AND
- Achieve ONE of the following:
 - ACT score of 21 or higher; OR
 - SAT score of 980 or higher; OR
 - Graduate in the top one-third of their class;

AND

- Achieve a 2.0 GPA or higher on any college credit taken in high school.

The Board of Regents Universities are as follows:

Emporia State University
Fort Hays State University
Kansas State University
Pittsburg State University
The University of Kansas
Wichita State University

LANGUAGE ARTS

Courses Offered:

- Freshman English
- Sophomore English
- Honors Sophomore English
- Junior English
- Honors Junior English
- Senior English
- Advanced Literature I & II
- College English

Title: Freshman English

Grade Level: 9

Prerequisites: Eighth grade English

Course Description:

Freshman English will continue to build on skills introduced at Levels 7 & 8 of the English program and will introduce and emphasize new English and composition skills. Literature will include short stories, poems, plays, novels, and technical writing. Emphasis in the course is primarily on improving writing skills, and literary skills.

Title: Sophomore English

Grade Level: 10

Prerequisites: Freshman English

Course Description:

Sophomore English is a required course that continues to build grammar, literary, and composition skills introduced and practiced at previous levels of the program. Literature covered will include short stories, poetry, plays and novels.

Title: Honors Sophomore English

Grade Level: 10

Prerequisites: Freshman English

Course Description:

Honors Sophomore English is a course for advanced readers. Topics and concepts will, for the most part, be similar to those covered in Sophomore English. However, students can expect a more open-ended, creative approach intended to promote higher-level thinking, writing for a variety of purposes, and college-readiness. Must have earned an 85% or above both semesters of Freshman English. Teacher approval required.

Title: Junior English

Grade Level: 11

Prerequisites: Sophomore English

Course Description:

Junior English is a required course, with emphasis on reading, writing, speaking, and listening. Students will continue to work to develop skills related to the six traits of writing by completing several structured writing assignments. In addition to literature and composition, there will be work in vocabulary, dialect and usage skills.

Title: Honors Junior English
Grade Level: 11
Prerequisites: Sophomore English
Course Description:

Honors Junior English is a course for advanced readers and writers. Students will read a wide variety of literature (plays, novels, short stories, and poems) and respond in writing and speaking to that literature. We will also work on public speaking, listening, and general communication skills with a focus on critical thinking. **Prerequisite** (one of these three options): Student must have earned an 85% or above both semesters of Sophomore English with teacher approval, scored exemplary on the Kansas State Reading Assessment with teacher approval, or completed an entrance essay during the spring of their sophomore year with teacher approval.

Title: Advanced Literature I & II
Grade Level: 11-12
Prerequisites: Fresh. & Soph. English
Course Description:

Advanced Literature is an English class for those students wishing to further their critical reading, writing, speaking, and thinking skills. We will read a number of novels, short stories, poems, and plays over the course of the year, as well as a complete variety of writing assignments and projects. The class requires a large amount of reading outside of the school day.

Title: Senior English
Grade Level: 12
Prerequisites: Junior English
Course Description:

This class is a reading and writing class for seniors. Writing assignments will relate to reading assignments. Students also will read additional novels of their choice to fulfill outside reading requirements. Tests and writing assignments over the literature will be part of the class. The goal of this class is to prepare seniors to be productive, critical thinking members of society.

SOCIAL STUDIES

Courses Offered:

- World History
- American History
- Current Events
- Government
- Psychology
- International Issues & Solutions

Title: World History

Grade Level: 10

Prerequisites: None

Course Length: 1 yr.

Course Description:

This is a survey course which focuses on significant individuals, groups, ideas, events, era and developments in the history of the world. Topics include the pre-historic period, the age of exploration, the age of revolution, the world wars, and modern globalization. Also incorporated are themes such as human and physical geography, economic development, and political organization.

Title: American History

Grade Level: 10-11

Prerequisites: None

Course Length: 3 sem.

Course Description:

This course will cover the events in American History from Civil War to the present day. Major American events and important people will be studied in depth. This course will also integrate multicultural perspectives, and geographic, constitutional, religious, and economic themes.

Title: Current Events

Grade Level: 9-12

Prerequisites: None

Course Length: 1 yr.

Course Description:

Each week students will investigate local, national, and/or international headlines which they will research using both print newspapers and online sources. As a group we will discuss these stories in a productive and educational forum, sometimes dividing to debate certain issues.

Title: Government

Grade Level: 11

Prerequisites: None

Course Length: 2nd SEM.

Course Description:

A class studying political parties in the United States, campaigns, elections, voter behavior, the presidency, congress, state and local government, and related current events. Class projects include a mock trial, passing a bill through Congress, visiting the State Capitol and planning a Presidential Debate.

Title: Psychology

Grade Level: 11-12

Prerequisites: None

Course Description: with College credit available 2nd SEM.

Students will study a general psychology curriculum, which may include personality development, biological and environmental influences on behavior, child development, lifespan issues, learning, memory, conflict stress & mental illness. Material from the Human Growth and Development Curriculum may be discussed.

Title: International Issues and Solutions

Grade Level: 11-12

Prerequisites: World History

Course Length: 2nd SEM.

Course Description:

International Issues and Solutions will cover four main topics in our world from 1990 to the present and how we can form complex or simple solutions to the problems we face from the past problems caused by international differences. We will use a variety of ways to assess your skills in knowledge retention, critical thinking, writing, reading, discussion, application, creativity and persuasion. You will be assessed using projects, writings, graphics organizers, quizzes and tests. This IS NOT a class in the abstract; we have to use historical truths and current events.

MATHEMATICS

Courses Offered:

- Algebra I
- Algebra IB
- Algebra II
- Algebra IIB
- Geometry
- Plane Geometry
- Calculus
- College Algebra
- Trigonometry
- Consumer Math
- Pre-Engineering Math
- Financial Algebra

Title: Algebra I

Grade Level: 9

Prerequisites: Teacher Recommendation

Course Description:

In this course the student will refine and extend mathematics skills with the introduction of Algebra I. The study of algebra is designed to develop a higher-level problem solving ability, mental discipline, responsibility, and organization. Major topics of study will include the following: variables, expressions, rational numbers, solving equations and inequalities, functions, graphs, linear equations, systems of equations, polynomials, factoring, radical expressions, and quadratics.

Title: Algebra I B

Grade Level: 9

Prerequisites: Teacher Recommendation

Course Description:

In this course the study will cover the same topics covered in Algebra I, but at a slower pace than the normal high school class.

Title: Algebra II

Grade Level: 10-12

Prerequisites: Algebra I, Geometry, Plane Geometry

Course Description:

In this course the study will continue with the topics covered in Algebra I, but in greater detail and with more emphasis on application to real world problems.

Title: Algebra II B

Grade Level: 10-12

Prerequisites: Algebra I, Geometry

Course Description:

In this course the study will cover similar topics covered in Algebra II, but at a slower pace than the normal high school class.

Title: Geometry

Grade Level: 9-12

Prerequisites: Algebra I

Course Description:

Geometry is a comprehensive course covering geometric terms and processes, logic, and problem solving. Topics include perpendicular and parallel lines, planes, congruent triangles, inequalities, quadrilaterals, perimeter, area, volume, surface area, and coordinate geometry. Students will become acquainted with a geometric system of mathematics and practical application of these principles.

Title: Plane Geometry

Grade Level: 10

Prerequisites: Algebra I, Algebra IB

Course Description:

In this course students will learn how to analyze characteristics and properties of two and three dimensional geometric shapes and develop mathematical arguments about geometric relationships; specify locations and describe spatial relationships using coordinate geometry and other represented systems; apply transformations and use symmetry to analyze mathematical situations; and use visualization, spatial reasoning, and geometric modeling to solve problems. This course is designed for the tactile/kinesthetic learner who can benefit from hands-on activities when exploring new concepts.

Title: Calculus

Grade Level: 11-12

Prerequisites: Alg. I, Alg. II, Geometry, College Alg. & Trig

Course Description:

This course is to provide an opportunity for students to be introduced to higher mathematics which have practical value as well as those who pursue further education in the mathematics area. Major topics of study will include the following: pre calculus concepts, limits, differentiation, and integration. A graphing calculator which may be checked out from the school will be utilized in exploring these concepts. Calculus will be offered for dual credit through Highland Community College.

Title: Trigonometry

Grade Level: 11-12

Prerequisites: Alg. I Alg. 2, College Alg. Geometry

Course Description:

Trigonometry is the study of triangle measurement and this will be done mainly through the use and work with the six trigonometric functions. Major topics of study will be: solving trig equations, verifying identities, graphing trig functions, and the use of trigonometry to solve real world problems. A graphing calculator, which may be checked out from the school is required.

Title: Consumer Math

Grade Level: 12

Prerequisites: Algebra IIB

Course Description:

Consumer Math is a course designed to provide the tools necessary to be a wise consumer. We discuss the mathematical applications of everyday life, as well as the concepts, knowledge, and methods needed to make informed decisions. Topics discussed include gross pay and net pay, personal banking, investments, loans and credit cards, income taxes, buying a car, buying a house, insurance, and budgeting.

Title: Pre-Engineering Math

Grade Level: 11-12

Prerequisites: Alg. I Alg. 2, College Alg. Geometry

Course Length: 1 SEM

Course Description:

In this course students will explore engineering career opportunities by visiting job sites where engineers are needed, interacting with guest speakers, and researching engineering careers. They will apply their knowledge through various hands-on activities and competitions. The following engineering careers will be investigated: Mechanical, Aerospace, Civil, Architectural, Structural, Electrical, Computer, and Chemical.

Title: Financial Algebra

Course Length: 2nd SEM

Grade Level: 11-12

Prerequisites: Alg. I Alg. 2, Geometry

Course Description:

In this course students will learn about topics from six financial umbrellas: Investing, Banking, Credit, Income Taxes, Insurance, and household budgeting. This course will review & strengthen algebraic mechanics & problem solving skills while exploring more advanced mathematical topics such as piecewise functions, regression, limits, exponential functions, and linear/quadratic systems. Students will also have the opportunity to interact with guest speakers.

Note: This course is not intended to replace College Algebra or Calculus in a student's mathematics preparation. It is intended to be a math elective that creates interest in finance, mathematics, and to further students' problem solving abilities. This course will also aid in transition from our current state standards to the common core standards.

Course Content

By building on prior knowledge of math concepts from other courses, *Financial Algebra* will take students step by step through strategies to help them learn, for example, the time value of money, how to evaluate the best cell phone contract, how to build a business plan by knowing costs, profits and breakeven points. The applications-based practice problems use real-life scenarios that help bring meaning to the math that they have studied.

SCIENCE

Courses Offered:

- Biology
- Earth, Space & Physical Science
- Chemistry
- Chemistry II
- Physics
- Anatomy & Physiology
- Engineering Science & Technology
- Animal Science

Title: Biology

Grade Level: 9

Prerequisites: None

Course Description:

The biology class is an application of biological concepts to life situations. Students will study the cell and its functions, genetics and reproduction. They will also study the classification of organisms using the six-kingdom system of classification. Students will be required to do a science project during the spring quarter.

Title: Chemistry

Grade Level: 10-12

Prerequisites: Biology, Physical Science or recommendation from Biology Teacher, Algebra I

Course Description:

Chemistry is a course designed for the science-minded, college-bound high school student. Basic chemical concepts will be covered in detail. The units covered will include: scientific methods, properties of matter and energy, structure of the atom, the Periodic Table, chemical bonding, chemical equations, and ionization. Acids, bases, and salts will also be investigated.

Title: Chemistry II

Grade Level: 12

Prerequisites: Biology, Chemistry

Course Description:

Chemistry II is a course designed for students who have shown great ability and interest in chemistry. Topics covered in Chemistry I will be expanded upon and new topics of organic, nuclear and thermo chemistry will be introduced. Emphasis is placed on individual experimentation. Much of the time will be spent in a lab setting doing experiments in quantitative analysis. This course is offered for students who plan on a science related field of study after high school.

Title: Physics

Grade Level: 12

Prerequisites: Algebra II and Trig, Chemistry

Course Description:

Physics is an upper level class designed for the college bound student. Units studied include mechanics and energy, electricity and magnetism, the energy of waves and the electron. A high- energy physics unit will be done at the end of the year. Mathematics is required for the problem solving aspects of this class.

Title: Earth, Space & Physical Science

Grade Level: 9

Prerequisites: Meets or exceeds the cut score on the Science Assessment **OR:**

Completed Algebra I in the 8th grade

Recommendation from math or science teacher

Grade A in science during their 8th grade year

Course Description:

Physical and Earth-Space Science is a yearlong course divided into two segments. The basics of the scientific method along with the introductory physics concepts essential for earth science are covered in the first semester. The astronomy unit covers the formation of the universe, solar system, stars, and planets as well as the stellar life cycle. This course incorporates lecture, demonstrations, and lab activities.

Title: Engineering Science and Technology

Grade Level: 11-12

Prerequisites: Instructor Permission

Course Description:

The course is titled Engineering Science & Technology with emphasis on the preparation for the National Science Olympiad competition. It will provide a hands on inquiry science course with advanced emphasis in the following areas: engineering, physics, chemistry, biology, and earth science. Students in this class will analyze real world problems, design possible solutions and weigh them based on cost, safety, reliability, and how they impact the world around them. This class is project-based, and it focuses on projects that exhibit problem solving skills.

Students will be responsible for managing their time by setting short term as well as long-term goals to complete their projects by the deadline.

Title: Anatomy & Physiology

Grade Level: 11-12

Prerequisites: You must be currently enrolled in chemistry or have successfully completed it to enroll in this course, and have a B or better in biology recommended (or with instructor approval.)

Course Description:

This is an introductory A & P course. It examines the structure and function of the organ systems of the body and the role of the organ systems in maintaining homeostasis. Topics covered will include medical terminology, tissues, skin, the skeletal, muscular, nervous, cardiovascular, respiratory digestive, urinary & reproductive systems as well as immune function. Students will examine structures by means of models, skeletons, charts, and audiovisual materials. This class will include multiple dissections.

PHYSICAL EDUCATION

Courses Offered:

- Physical Education/Health
- Physical Conditioning
- Advanced PE

Title: Physical Education/Health

Grade Level: 9

Prerequisites: None

Course Description:

This course will cover units in football, soccer, volleyball, physical fitness test, badminton, basketball, team handball, softball, tumbling, bowling, and human sexuality. Skills, fundamentals, team involvement and sportsmanship are stressed in the activities. Skills tests and/or written tests will conclude each unit.

Material from the Human Growth and Development Curriculum may be discussed. The course outcomes may be requested from the teacher.

Title: Physical Conditioning

Grade Level: 10-12

Prerequisites: PE 9

Course Description:

This course is the study and practice of weight training. The main purpose of this course is to teach correct weight training skills and to develop knowledge of physical conditioning. Emphasis is placed on physical fitness.

Title: Advanced PE

Grade Level: 10-12

Prerequisites: PE 9

Course Description:

This course will cover units in walking, bicycling, jai-alai, shuffleboard, croquet, bocce ball, horseshoes, Frisbee, golf and various forms of other “non-traditional” activities associated with lifetime fitness skills. Adventure and sportsmanship are stressed in these activities. Skills tests and/or written tests will conclude each unit.

FINE ARTS

Courses Offered:

- Band
- High School Choir
- Music Lessons
- Jazz Band
- Art

MUSIC

Title: Band

Grade Level: 9-12

Prerequisites: MS Band

Course Description:

This course incorporates three different activities:

Marching Band- Marching band is a course designed for the instrumental performer to march and play his or her instrument during football season. Various marching maneuvers will be executed on the football field while music is performed. Attendance will be required at all performances and is required for purposes of class grade and letter requirements.

Concert Band - Concert band gives the instrumentalists an opportunity to broaden their musical knowledge as they perform. A wide variety of musical styles will be explored. Students will be required to participate in State Large Group Music Festival as well as a winter concert, a spring concert, and other performances as they are scheduled. The students will also be encouraged to participate as soloists or members of small ensembles at the DVL, Regional, and State KSHSAA contests.

Pep Band - Pep band is designed for the instrumental performer to play his/her instrument during basketball season. Some music played during football season will be repeated with the addition of new basketball pep band music. Students will be required to attend all high school home varsity games.

Title: High School Choir

Grade Level: 9-12

Prerequisites: None

Course Description:

This course is designed for the student interested in singing 2, 3, and 4-part harmony in a variety of musical styles. Students are required to perform in the DVL contest, the State Large Group Music Festival, a fall and winter concert, two spring concerts, and other performances as they are scheduled throughout the year. Students are also encouraged to participate as soloists or members of small vocal ensembles

Title: Music Lessons

Grade Level: 9-12

Prerequisites: Must have a performing instrument & prior experience.

Course Description:

A course designed around research and performance. Students will have a choice of guitar lessons or in the field of band instruments. They will research all aspects needed to

achieve a superior performance. Time will be used for individual, as well as group, research into musical periods, styles, and an in depth study of one's performance instrument as well as other instruments.

Title: Jazz Band

Grade Level: 9-12

Prerequisites: None

Course Description:

Jazz Band is a course designed to challenge any interested student. Acceptance is by audition or upon needed instrumentation. Students will be exposed to the smallest group setting of 16 students and advanced musical skills such as improvisation. Student must be enrolled in High School Band in order to participate in Jazz Band.

ART

Title: Art

Grade Level: 9-12

Prerequisites: None

Course Description:

This is a course in the visual arts and fulfills the fine arts requirements for graduation. This course will contribute to the student's development in the four content areas of art production, art history, art criticism and aesthetics. Each student will explore a variety of both 2 and 3 dimensional media while practicing the skills necessary to master them. Students will analyze styles, periods, and works from many cultures. Students will demonstrate an understanding of the elements of art and principles of design.

Students may take Art each year of high school. Additional years are designed for students who desire more in-depth study of technique/skill development. As students progress through years of Art, they will be increasingly self-directed in their projects, production, and learning.

FOREIGN LANGUAGE

Courses Offered:

- Spanish I
- Spanish II
- Spanish III
- Spanish IV

Title: Spanish I

Grade Level: 9-12

Prerequisites: None

Course Description:

The course will emphasize all four aspects of the language: speaking, listening, reading, and writing. The varied cultures of Latin America will be taught through Internet activities, films, readings, and presentations. Grammar and vocabulary will focus on the basics of conversation and sentence construction.

Title: Spanish II

Grade Level: 10-12

Prerequisites: Spanish I or Teacher Permission

Course

Description:

This course is a continuation of Spanish I. Study will focus on a more advanced level of grammar and vocabulary for speaking about past events and people. Students will study the culture and literature of Spain. Report writing about art, literature, and current events may be done. You must have obtained a C or better in Spanish I to be eligible to take Spanish II.

Title: Spanish III

Grade Level: 11-12

Prerequisites: Spanish II or Teacher Permission

Course Description:

This course is for all third year Spanish students. Students will work to gain advanced competency in various tenses. Spanish III text and workbook will be used. Students are expected to use oral Spanish in pairs, as a group, or in a one-on-one conversation with a teacher.

Projects will focus on expansion of cultural knowledge and application of Spanish to personal goals. You must have obtained a B or better in Spanish II to be eligible to take Spanish III.

Title: Spanish IV

Grade Level: 11-12

Prerequisites: Spanish III or Teacher Permission

Course Description:

This course is for all fourth year Spanish students. A higher level of competency and performance than level III is expected in all language skills (listening, speaking, reading and writing). Students in level IV will respond to oral and written current event material from media sources including the Internet. Literature, art, history, politics, and music will be integrated into the course. Projects related to Hispanic culture will be included. You must have obtained a B or better in Spanish III to be eligible to take Spanish IV.

PRACTICAL ARTS

Courses Offered:

- Modern Living and Community & Career Connections
- Event Planning & Management
- Nutrition & Wellness
- Food Science/Culinary Essentials
- Culinary Arts
- Washburn Technical School

Title: Modern Living & Community & Career Connections

Grade Level: 10-12

Prerequisites: None

Course Description:

Students will study housing styles, furniture and interior design. Students are able to read blueprints/house plans; they understand the fundamentals of drawing house plans, furniture placement and interior traffic patterns.

For their final project they will research a career, by taking an Internet career assessment test. From their chosen career, the student will then choose a house to meet their lifestyles and decorate the house within their allotted budget.

After buying and furnishing a house, students will budget money to plan a nutritious meal using the food pyramid guidelines. Student's research recipes, order and figure the quantity and cost per serving of groceries, develop work schedules and assign classmates to prepare the economic, yet nutritious food.

Students will also study child development. They will look at childcare facilities and study the physical, emotional, intellectual and social areas of child development, prenatal through adolescence. Students have the opportunity to observe and do case studies on children in a preschool setting and also in the lower elementary classes, kindergarten through third grade.

Title: Event Planning & Management

Grade Level: 10-12

Prerequisites: None

Course Length: 1 sem.

Course Description:

This is an upper-level class for students who will soon be graduating from high school and emphasis is on career and life planning. The student will learn adult roles and living skills needed to succeed such as: decision-making, obtaining and keeping a job/career, managing finances, obtaining a place to live and understanding a lease agreement, becoming a wise consumer, use of credit and insurance information. Students will study careers and use the Internet career assessment tests to research areas of interest.

In the foods unit students will study nutrition and be able to plan and prepare basic economical dishes on a budget.

Title: Nutrition & Wellness

Grade Level: 10-12

Prerequisites: None

Course Length: 1 sem.

Course Description:

In the Nutrition & Wellness unit students will study nutrition, food energy, and daily diets. They will be able to plan and prepare basic economical dishes on a budget.

Students will study the areas of personal relationships, heredity and genetics, dating, engagement period, wedding expenses and planning, marriage, life stages throughout the lifespan, family planning, family budgeting/financing, communications with the family, family crisis, divorce, wills, death, and the aging process.

Parenting is the emphasis in the 2nd semester course (Human Relations). It is designed to better prepare students to understand parenting and working with children of all ages. Students will then have the opportunity to experience a parenting simulation by participating in the "**Baby Think It Over**" simulation program. Students will learn about the roles and responsibilities of parenting. They will also have the opportunity to observe children in a childcare facility.

Title: Food Science & Culinary Essentials

Grade Level: 9-12

Prerequisites: None

Course Length: 1yr /.5each

Course Description:

This comprehensive FACS class is designed to provide a basic level of family and consumer science. Nutrition, food science and the study and actual preparation of the foods in the food pyramid will be covered. Meal management, table manners and restaurant etiquette will be discussed and practiced.

During second semester, students will complete the overall study of culinary essentials and the last part of the semester they will sew a sportswear garment, and develop an understanding of sewing terms, techniques and how to make wise garment purchases. Grooming and hygiene will be studied including exercise and students will develop a wellness program to meet their lifestyles.

Title: Culinary Arts

Grade Level: 10-12

Prerequisites: None

Course Length: 1 yr.

Course Description:

Throughout the course, food selection in all areas of nutrition will be covered with demonstrations and cooking labs. Areas of food to be covered include: cooking for your heart, low fat recipes for health conditions including high cholesterol, diabetes, and lactose intolerant.

Food preservation by canning, drying and making of jellies and jams will be studied. American Heritage and the foods of each region will be covered and some of the foods prepared. Students will have a good understanding of food preparation.

WASHBURN INSTITUTE OF TECHNOLOGY

Grade Level: 11-12

Prerequisites: Must be a junior or senior in high school and students must provide their own transportation to high school in the morning. The student is responsible for purchase of tools and supplies for technical school. The student may receive 1-1/2 credits per semester, in practical art or towards the total required for graduation. Washburn Tech application forms must be completed and are available in the counselor's office.

Washburn Institute of Technology in Topeka offers training in the following areas:

5 Divisions

25 Programs

Construction

Building Trades
Cabinet/Millwork
Commercial/Heavy Construction
Electricity
Climate Control Technology

Human Services

Child Care
Culinary Arts
Legal Office Professional
Medical Office Professional
Office Careers Technology
Business, Bookkeeping, and
Accounting

Technology

Advanced Systems Technology
Computer Repair Networking
Electronic Technology
Graphics Technology
Machine Tool Tech
Technical Drafting
Welding

Health Care

CNA/Health Care Tech
Practical Nursing*
Surgical Technology*
CMA*

Transportation

Auto Collision
Automotive Technician
Diesel Technology

***These classes are on a different schedule and may not be available for high school students**

Agricultural Science

Courses Offered:

- Agriscience
- Ag Welding I and II
- Animal Science
- Ag Mechanics
- Research in Agriculture (instructor permission required)
- Ag Leadership & Communications
- Animal Health/Vet Tech

NOTE: During all Ag Science lab activities, eye protection are required to be worn.

Title: Agriscience

Grade Level: 9-10

Prerequisites: None

Course Length: 1 yr

Course Description:

This is an introductory course designed to expose students to different facets of FFA and the agriculture industry. Students will gain knowledge in animal science, plant science, leadership skills, public speaking, FFA opportunities, and agricultural mechanics. Instruction and student learning will occur through lectures, student projects, group discussions, hands on experiences, FFA experiences, CDE participation, and their SAE program.

Title: Ag Welding I

Grade Level: 10-12

Prerequisites: None

Course Length: 1 yr

Course Description:

Ag welding will allow students to gain hands on skills that will make them employable in the field of metal fabrication. Students will refine their skills in arc and mig welding and cutting with the oxyacetylene torch. There will be an opportunity to design plans for metal projects, calculate the cost of the project, and implement the project.

Title: Ag Welding II

Grade Level: 11-12

Prerequisites: Welding I

Course Length: 1 yr

Course Description:

Ag welding will allow students to gain hands on skills that will make them employable in the field of metal fabrication. Students will refine their skills in arc and mig welding and cutting with the oxyacetylene torch. There will be an opportunity to design plans for metal projects, calculate the cost of the project, and implement the project.

Title: Animal Science

Grade Level: 10-12

Prerequisites: None

Course Length: 1 yr

Course Description:

This course will explore the sciences involved in animal production. Instruction will lead students through animal anatomy and physiology, reproduction, nutrition, health issues, marketing, and animal products. Students will gain knowledge and skills through direct instruction, labs, and field trips. This information will tie into students' FFA, CDE, and SAE experiences.

Title: Ag Mechanics

Grade Level: 10-12

Prerequisites: None

Course Length: 1 yr

Course Description:

This course serves as an introduction to agriculture mechanization. Instructional areas consist of Ag structures, introduction to electricity and basic small engine knowledge. The majority of instruction will take place in the shop through hands on projects.

Title: Research in Agriculture

Grade Level: 11-12

Prerequisites: Previous Ag course or instructor permission

Course Length: 1 yr

Course Description:

This research based, independent study course is designed for a student interested in doing an in depth study of a topic of their choice. Completion of the project requires a research paper, speech, and presentation to a community based group.

Title: Animal Health/Vet Tech

Grade Level: 11-12

Prerequisites: Animal Science or instructor permission

Course Length: 1 yr

Course Description:

Animal anatomy and each system of an animal will be explored in detail allowing the student to become familiar with terms, functions, and identification. Students will demonstrate basic veterinary practices including animal restraint, vital signs, and injections. Upon completion of the course FFA students will be prepared to compete in the Vet Science Career Development Event (CDE.)

Title: Ag Leadership & Communications

Grade Level: 12

Prerequisites: Previous Ag course or instructor permission

Course Length: 1 yr

Course Description:

Communication and teamwork are emphasized throughout this course as students take responsibility for successfully organizing, conducting, and evaluating agricultural activities. The goal of this course is to encourage students to be knowledgeable, caring, and ethical in their daily decision making. Students will practice agricultural communication skills by interviewing others, writing feature stories, and creating a resume and cover letter as they discover career opportunities.

BUSINESS AND COMPUTERS

Courses Offered:

- Business Economics
- Business Communications
- Accounting I
- Advanced Accounting
- Entrepreneurship
- Business Management

Title: Business Economics

Grade Level: 9-12

Prerequisites: None

Course Description:

This course will help students develop a comprehension and appreciation of our American business system and the economic setting in which it functions. The student will develop an understanding of some of the following concepts: the economic world, business careers, consumerism, budgeting money management, credit, banking services, entrepreneurship, and insurance; all of which are needed for life-long learning.

Title: Business Communications

Grade Level: 10-12

Prerequisites: None

Course Description:

This course is designed to provide students with an overview of microcomputer usage.

The class will combine lectures, discussions, projects, and mostly hands-on experience with Windows computers. Various aspects of computers are addressed, including familiarity with the computer; its associated hardware, computer history, and the use of Windows and Office software package with word processing, spreadsheet, relational database, and presentation software. Students will also review and develop keyboarding skills and will work designing web pages using HTML.

Title: Accounting I

Grade Level: 10-12

Prerequisites: None

Course Description:

During this course, the background of accounting as well as the need for accounting is covered. The student will learn to keep records of a sole proprietorship and partnership using the complete accounting cycle.

This course encompasses basic accounting skills and develops values and attitudes useful in gaining entry into the field of business. Knowledge of accounting is also useful for students seeking to enter computer-related jobs or various other office positions. Portions of the course work will be done on the computer.

Title: Advanced Accounting

Grade Level: 11-12

Prerequisites: Accounting I

Course Description:

To begin the second year of accounting, students finish the remaining chapters of the Accounting I text, the accounting cycle for a corporation. The second year text provides the learning needed for mid-level entry to positions and the basis for more in-depth accounting study. Chapters of study include: notes, inventory costs, depreciation, and disposal of plant assets, vouchers, deferrals, and accruals. Most of the course will be computerized, and is taught in the same block as Accounting I.

Title: Entrepreneurship

Grade Level: 12

Prerequisites: Business Communications (helpful)

Course Description:

Entrepreneurship is a course designed for those students who wish to explore how to start and operate a small business. Instruction will cover the concepts of entrepreneurship and the importance of small business within our free enterprise system. Students will be exposed to the basics of planning, organizing, financing, starting, operating, and managing a small business venture. Students will apply the components of business to their own business created during the class period. Success will be measured in profit. Profit will be used to take a two-day business trip to a larger city during March or April. The students will arrange travel plans and an itinerary will be prepared. A course grade of 70% (C-) will need to be maintained to attend the trip. Guest speakers and mini trips will be part of this class.

Title: Business Management

Grade Level: 12th (Preferred)

Prerequisites: At least one of the following: Business Communications, Business Ec, Accounting (can take concurrently.)

Course Description:

This course is designed for juniors or seniors wanting to prepare for the world of work with an emphasis in management. Students will be performing various business tasks within the school and community. Students will learn and apply technical skills through hands on approach and personal experiences in the business world.

MISC. ELECTIVES

Courses Offered:

- Summer Driver Education (1/4 Credit)
- Yearbook I-IV
- Student Para
- On-Line Enrichment (PLATO LAB)

Title: Summer Driver Education

Grade Level: 9-10

Prerequisites: Eighth grade graduate and must be 14 years old on or before June 1st the summer of taking the course.

Course Length: 2 weeks of classroom instruction and 6 hours of summer driving.

Course Description:

This course is planned to develop within the student, the ability and attitude to operate a motor vehicle safely and efficiently, to avoid driving hazards, and to be aware of obedience to traffic laws, symbols, and regulations.

The course will include the following: basic control tasks, general driving tasks, tasks related to driving conditions, roadway characteristics, environment, car maintenance, and pre-trip tasks.

Title: Yearbook I, II, III, & IV

Grade Level: 9-12

Prerequisites: Teacher Approval

Course Description:

Students will learn photography, desktop publishing, and news writing skills. They will design their own yearbook pages, write captions, promote book sales, sell advertisements, write ads, and collect money from the sales. Class members will also take photos that will be used in the yearbook, and write articles for the school website.

Please Note: All yearbook classes have limited space and teacher approval is required. Interested students must complete an application.

Title: Student Para

Grade Level: 11-12

Prerequisites: None

Course Description:

One unit of credit (2 semesters) is granted upon successful completion of duties assigned. This is the maximum credit allowed towards fulfilling graduation requirements. Grades given in this course will not count towards a student's G.P.A.

Students may be a student Para for the elementary and secondary teachers, and the library. Before enrolling to be a Para, each student must have permission from the counselor and staff member he or she wishes to be a Para for. A student may perform the following duties:

1. Clerical, typing, filing and delivering.
2. Assisting in the classroom, bulletin boards, charts, and art activities.
3. Helping students.
4. Other duties assigned by the teacher.

Title: PLATO Online Services

Course Description:

Several courses are offered through online learning for students needing enrichment or credit recovery. Students interested in enrichment will need to be on target for graduation and in good academic standing. Enrichment courses are those not offered throughout traditional curriculum. If you are interested, please see the guidance counselor.

The counselor will assign students to credit recovery based on need and academic standing.

EXTRACURRICULAR ORGANIZATIONS AND ACTIVITIES

Extracurricular organizations or activities are those clubs and/or school sponsored events, which further the personal development of the student. It must be remembered -- do not get so involved with extracurricular activities that grades suffer. Passing grades must be maintained to be an active member of a club or organization.

Below is a list of the various clubs, organizations, and activities, which are available to the McLouth students. We at MHS believe that there is truly something for everybody. We encourage student involvement in order to develop and strengthen the extracurricular activities.

Music:

Marching Band/ Concert & Jazz Band/ Pep Band and Vocal Choir

Forensics:

Forensics (2nd semester)

Athletics:

Cross County / Football / Volleyball / Boys & Girls Basketball/ Wrestling
Boys & Girls Track / Cheerleading / Dance Team/ Baseball & Softball

Other:

MHS Scholars Bowl Team
National Honor Society
Student Council
F.B.L.A. (Future Business Leaders of America)

F.C.C.L.A. (Future Career & Community Leaders of America)
F.F.A. (Future Farmers of America)
Spanish Club
Science Olympiad
Art Club
Math Club
Chess Club

McLouth High School College Dual Credit Courses

Highland Community College (HCC) classes will be offered during the school day to junior and senior students, or grades nine through twelve enrolled in a gifted program with a current IEP stating HCC courses are to be taken.

Students paying the tuition fee to HCC may receive dual credit for the course; college credit from HCC and high school credit from McLouth High School. The **2014-15** HCC tuition fee for classes were \$123.00 per credit hour. Therefore, the cost of a three-hour credit class was **\$369.00**. The cost of HCC courses increase each year so plan on them being higher in the fall of 2015. HCC will provide the textbooks for the courses. HCC requires a minimum number of students enrolled (at least 5-7 students) for the class to be offered.

PARENTS: Students who are contemplating taking any college courses will be required to take a Math and English ASSET Test and pass in order to be able to take these college courses for college credit unless they have scored a 22 or higher in the area of math on their ACT Test. Students interested in College English will need to also take an English ASSET Test and pass unless they have scored an 18 or higher in the area of English on their ACT

The following courses may be offered during the school year if there are a sufficient number of students enrolled in the course for HCC credit. Enrollment is twice a school year. Once, in the fall, and again in the spring. Enrollment forms and payment are due at these times.

Title: HCC Algebra 104 **3 credit hours**

Grade Level: 11

Prerequisites: HS Algebra II

Course Length: 2nd semester

Course Description:

A study of the fundamental laws, exponents, linear and quadratic equations, inequalities, systems of equations, graphing, polynomials and polynomial equations, logarithms, complex numbers, binomial series, and other topics if time permits.

Title: HCC Trigonometry **3 credit Hours**

Grade Level: 12

Course Length: 2nd semester

Prerequisites: Alg. I Alg. 2, College Alg. Geometry

Course Description:

Trigonometry is the study of triangle measurement and this will be done mainly through the use and work with the six trigonometric functions. Major topics of study will be: solving trig equations, verifying identities, graphing trig functions, and the use of trigonometry to solve real world problems. A graphing calculator, which may be checked out from the school is required.

Title: HCC Calculus 106 **5 credit Hours**
Grade Level: 12
Prerequisites: Trig & College Algebra **Course Length:** 1 yr.(5 hrs credit)
Course Description:

This course consists of the study of algebraic functions of one variable, use of modern technology, limits, differentiation, definite and indefinite integrals and their applications.

HCC Course Path

Junior Year		Senior Year	
<u>1st sem</u>	<u>2nd sem</u>	<u>1st sem</u>	<u>2nd sem</u>
*Alg I	*Trig	Eng 101	Eng 102
			*Calculus

*Student must be enrolled in Psychology class to take it for college credit 2nd semester.

*Students must also have already taken College Algebra in order to proceed to College Trig and Calculus.

Title: HCC English 101 **3 credit hours**
Grade Level: 11-12
Prerequisites: HS Sophomore English **Course Length:** 1st semester
Course Description:

The emphasis in English 101 is on written composition based on non-fiction essays. The major emphasis is on improving the ability to organize and express thoughts clearly and effectively. Students will be expected to write coherent essays, which support a thesis. There will also be extensive reinforcement in the rules of grammar and usage.

Title: HCC English 102 **3 credit hours**
Grade Level: 12
Prerequisites: College English I **Course Length:** 2nd semester
Course Description:

The emphasis in English 102 is on written composition based on American and British Literature. English 102 is designed to improve students' understanding of short fiction, poetry, and drama, and the contribution of writers, poets and dramatists to the humanities.

