**McLouth High School**

**“Home of the Bulldogs”**

Course Description Handbook

**2018-2019**



**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](http://www.mclouth.org).

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

**Contents**

High School Graduation Requirements

High School Course Listings

Enrollment Guidelines

Board of Regents Qualified Admissions and Scholars Curriculum

**High School Course Descriptions:**

Language Arts

Social Studies

Mathematics

Science

Physical Education

Fine Arts (Band, Choir, Art, Foreign Language)

Practical Arts (FACS, Ag Science, Business)

Misc. Electives (Driver’s Ed., Yearbook)

**Special Courses & Opportunities:**

Student Aide

Special Education Services

PLATO Online Learning

Washburn Institute of Technology

Extracurricular Organizations & Activities

MHS & College Dual Credit Courses

**Graduation Requirements**

**(Through Graduating Class of 2019)**

**Units Department Courses**

**4** Language Arts Freshman English\*, Sophomore English, Public Speaking,

Junior English, Senior English, Advanced Literature, College English.

**3** Social Studies World History,\* American History,\* Government, Psychology, International Issues and Solutions.\*

**3** Mathematics Algebra I, Algebra IB, Algebra II, Algebra IIB, Geometry, Plane Geometry, College Algebra, Trigonometry, Calculus, Pre-Engineering Math, Financial Algebra, Probability & Statistics.

**3** Science Biology,\* Chemistry, Chemistry II, Physics, Earth Space &

Science, Anatomy & Physiology, Engineering & Technology.

**1** Physical Education Physical Education/Health, Physical Conditioning, Advanced PE.

**1** Fine Arts Band, Jazz Band, Choir, Musicianship, 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 Leadership & Communications, Animal

Health/Vet Tech, Personal Finance.

**8**  Electives Any listed above not used to fill another requirement or Student Aide, 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

**Graduation Requirements**

**(Starting with Graduating Class of 2020)**

**Units Department Courses**

**4** Language Arts Freshman English\*, Sophomore English, Public Speaking Junior English, Senior English, College English.

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Health/Vet Tech.

½ FACS Personal Finance\*

½ Language Arts Public Speaking\*

**7**  Electives Any listed above not used to fill another requirement or Student Aide, Driver’s Education (¼ unit), Yearbook I-III, On-line Enrichment (PLATO Lab)

**24 Total Units of Credit**

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# 

# 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: Earth/Space Science

Math: Algebra I or Geometry

PE/Health: Lifetime Fitness l/Health or Physical Conditioning l/Health\*

3 hours of electives from:

Agriscience, Art, Band, Business Economics, Choir, Food Science/Culinary Essentials,

Musicianship, Spanish I, Yearbook\*

\*While a PE/Health credit is not required for your freshman year, it is required before graduation. We highly recommend completing that credit as soon as possible.

**10th Grade:**

Required Courses:

English: Sophomore English

Science: Biology

Math: Geometry or Algebra II

Social Studies: World History

Public Speaking/Personal Finance

3 hours of electives from:

Lifetime Fitness (I or Advanced) Physical Conditioning (I or Advanced) Animal Science, Ag Welding, or Ag Mechanics, Business Management or Accounting, Food Science/Culinary Essentials or Culinary Arts, Band, Musicianship, Choir, Art I or Advanced Art, Yearbook, Spanish I or II, College Fitness & Wellness, and Oral Communications.

\* Requires Instructor Permission

**11th Grade:**

Required Courses:

English: Junior English

Science: Chemistry or Animal Science or Anatomy & Physiology or Engineering Science/Tech

Math: Algebra II or College Algebra

Social Studies: American History

3 hours of electives from:

Lifetime Fitness (I or Advanced) Physical Conditioning (I or Advanced) Animal Science, Ag Welding, or Ag Mechanics, Business Management, Accounting or Advanced Accounting, Culinary Arts or Community and Career Connections, Band, Musicianship, Choir, Art I or Advanced Art, Yearbook, Spanish I, II, or III, College Fitness & Wellness, and Oral Communications, College General Psychology & Intro to Sociology, Washburn Tech Programs (This counts as three elective courses.)

**12th Grade:**

Required Courses:

English: Senior English or College English

Social Studies: Government/International Issues & Solutions

Recommended Courses:

Math: College Algebra, Trigonometry, Calculus or Statistics

Science: Anatomy & Physiology or Engineering Science/Tech or Physics or Chemistry II

3 -5 hours of electives from:

Lifetime Fitness (I or Advanced) Physical Conditioning (I or Advanced) Animal Science, Ag Welding, or Ag Mechanics, Business Management, Accounting, Advanced Accounting or Entrepreneurship, Culinary Arts or Community and Career Connections, Band, Musicianship, Choir, Art I or Advanced Art, Yearbook, Spanish I, II, or III, or College Spanish, College Fitness & Wellness, and Oral Communications, College General Psychology & Intro to Sociology, College General Chemistry I, Washburn Tech Programs (This counts as three elective courses.)

\*\* 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

\*The University of Kansas differs slightly from other Regents schools. Please see [www.ku.edu/admission](http://www.ku.edu/admission)

# LANGUAGE ARTS

**Courses Offered:**

* Freshman English
* Sophomore English
* Junior English
* Senior English
* Public Speaking
* 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, 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:** **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:**  **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.

**Title:** **Public Speaking**

**Grade Level:** 10

**Prerequisites:** Freshman English

**Course Description**:

The public speaking course will enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small group discussions, delivery of lectures or speeches in front of audiences and so on.) Course topics may include (but are not limited to) research and organization, verbal delivery, stylistic choices, visual presentation skills, analysis and critique, and development of self-confidence.

**Academic Misconduct/Plagiarism**

All forms of academic misconduct are prohibited. A student who engages in any form of academic misconduct will be subject to the loss of credit for the work in question. It is up to the teacher’s discretion to allow a student one opportunity to make up credit for a plagiarized assignment.

Academic misconduct includes, but is not limited to:

* Cheating
* Plagiarism
* Knowingly permitting another student to plagiarize or cheat from one's work

Plagiarism includes but is not limited to the following:

* Direct copying of the work or ideas of another submitted as the student’s own, including

Copying from another student or adult, or from an internet or print source

* Lack of appropriate in-text documentation
* The paraphrasing of another's work or ideas without proper acknowledgement
* Lack of accurate works cited documentation

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**SOCIAL STUDIES**

**Courses Offered:**

* World History
* American History
* International Issues & Solutions
* U. S. Government
* Psychology

**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:** 11

**Prerequisites:** None **Course Length:** 1 yr.

**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:**  **International Issues & Solutions**

**Grade Level:** 12

**Prerequisites:** None **Course Length:** 1 sem.

**Course Description:**

International Issues and Solutions will cover four main topics in our world from 1990 to the present. We will discuss how to form simple or complex solutions to the problems we face which may be caused by international differences.

**Title:**  **Government**

**Grade Level:** 12

**Prerequisites:** None  **Course Length:** 1 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:**

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.

# MATHEMATICS

**Courses Offered:**

* Algebra I
* Algebra II
* Geometry
* Calculus
* College Algebra
* Trigonometry

**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 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:**  **Geometry**

**Grade Level:** 9-12

**Prerequisites:** Algebra I

**Course Description:**

This course is to acquaint students with a system of mathematics and how it is built, and to apply its basic principles and concepts to a practical experience. This is a comprehensive course featuring coverage of geometric terms and processes, logic and problem-solving. Includes topics such as perpendicular, parallel lines, planes, congruent triangles, inequalities, quadrilaterals, perimeters, areas, volumes, surface area circles, and coordinate geometry.

**Title:**  **Trigonometry**

**Grade Level:** 11-12

**Prerequisites:** Alg. I Alg. II, 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:**  **Probability and Statistics**

**Grade Level:** 11-12

**Prerequisites:** Alg. I Alg. II, College Alg. Geometry

**Course Description:**

Probability and Statistics introduces the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

**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.

## SCIENCE

**Courses Offered:**

* Earth & Space Science
* Biology
* Chemistry
* Chemistry II
* Physics
* Anatomy & Physiology
* Engineering Science & Technology

**Title:**                        **Earth & Space Science**

**Grade Level:**  9

**Prerequisites:** None

**Course Description:** The earth space and science class is an application of scientific principles and concepts to life situations. Students will study how humans impact the earth, basic earth systems (climate, internal processes, and water) and the universe. This is an introductory level course which incorporates lecture, demonstrations, lab activities and independent student work.

**Title:**                           **Biology**

**Grade Level:**  9-10

**Prerequisites:**  Earth / Space Science or instructor approval at 9th grade.

**Course Description:**

The biology class is an application of biological concepts to life situations. Students will study the cell and its functions, genetics, biological change over time and basic ecological principles. This course has several labs during the course of the year to help reinforce topics taught. Students will also be expected to write a research paper in the spring semester. This course incorporates lecture, demonstrations, lab activities and independent student work.

**Title:**                        **Anatomy & Physiology**

**Grade Level:**  11-12

**Prerequisites:** You must be currently enrolled in chemistry or have successfully completed it with a grade of (C or better) to enroll in this course, and have completed and passed biology with a B or better. (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, skeleton, charts, and audiovisual materials. This class will include a dissection of a cat and others if available. In order to succeed in the class, you will be expected to participate completely in the dissection.

**Title:**  **Chemistry**

**Grade Level**: 11-12

**Prerequisites:** Biology, (Pass Algebra I with a “C” or better)

**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:**  **Engineering Science and Technology**

**Grade Level:** 11-12

**Prerequisites:** Instructor Permission

**Course Description:**

This class 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.

### PHYSICAL EDUCATION

**Courses Offered:**

* Physical Education/Health
* Physical Conditioning I or Advanced
* Advanced I
* Lifetime Fitness I or Advanced
* College Fitness & Wellness

**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
* Musicianship
* 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 will take place at the beginning of the school year until the end of the football season (usually through October). Students will learn to march and play his or her instrument at the same time. Various marching maneuvers will be executed on the football field while music is performed. Attendance is required for all performances, and for consideration for lettering.

**Concert Band** **-** Concert band gives students the opportunity to participate in a team-based activity while expanding on their exposure of music and knowledge of all aspects of music. During this course, we will perform in concerts, a State Large Group Music Festival, and students will have the opportunity to play in a small ensemble or a solo, and to audition for regional and State KSHSAA honor bands.

**Pep Band -** Pep band is a great aspect of band class. Students perform at all varsity basketball games and pep assemblies. This is where students get to perform popular music in a fun environment, with the goal of adding school spirit and getting students involved with the school.

**Title:**  **High School Choir**

**Grade Level:** 9-12

**Prerequisites**: None

**Course Description:**

This course is designed for the student interested in singing a 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:** **Musicianship**

**Grade Level:** 9-12

**Prerequisites:** None

**Course Description:**

This course is designed to give students the opportunity to study an aspect of music that they are interested in. Students will have the option to learn about anything from learning about a new instrument, preparation for college music theory, or for further study on an instrument that a student already plays. Students will learn independently, as well as in groups to further their knowledge of the area that they choose to study.

**Title:**  **Jazz Band**

**Grade Level**: 9-12

**Prerequisites:** Must have a performing instrument and prior experience & teacher approval.

**Course Description:**

Jazz Band is a course designed to challenge students musically, while learning a new style of music. In this course, students will be exposed to styles such as swing, blues, Latin, funk and rock, and will learn basic music theory and the basics of improvisation. Students must be enrolled in HS 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 art requirements for graduation. This course will contribute to student development in visual and artistic literacy, through creating, responding, connecting, and presenting. Content areas include art production, history, criticism and aesthetics. Students will analyze cultural connections, artistic movements, and design practices, while engaging in 21st century skills within both two and three dimensional media.

Art is available to students each year of high school. Additional years beyond one are designed for students who desire more in-depth study of their visual and artistic development. As students’ progress through Art, they will become increasingly self-directed in their projects 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 / CAREER & TECH EDUCATION**

**Family and Consumer Science**

**Courses Offered:**

* Personal Finance
* Food Science/Culinary Essentials
* Culinary Arts

**Title: 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:** **Personal Finance**

**Grade Level:** 10-12

**Prerequisites:** None **Course Length**: 1 SEM.

**Course Description:**

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

**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 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.

**Agricultural Science**

**Course Offered:**

**Animal Science Pathway**

* Agriscience
* Animal Science
* Vet Tech/Animal Health (taught in 17/18 and 19/20 school years)
* Research in Agriculture (instructor permission required)
* Ag Leadership & Communications (instructor permission required)

**Ag Power Agriscience Pathway**

* Ag Mechanics (taught in 18/19 and 20/21 school years)
* Ag Welding I and II
* Research in Agriculture (instructor permission required)
* Ag Leadership & Communications (instructor permission required)

**Title:**  **Agriscience**

**Grade Level:** 9

**Prerequisites:** None

**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:**   **Animal Science**

**Grade Level:** 10-12

**Prerequisites:** None

**Course Description:**

This science credit 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:**  **Vet Tech/Animal Health**

**Grade Level:** 11-12

**Prerequisites:** Animal Science with a 70% or higher

**Course Description:**

This course will give students hands on training in the animal medical industry. Instruction will consist of safety and sanitation, terminology, anatomy and physiology, clinical exams, hospital procedures, parasitology, animal nutrition, principles of disease, office management, veterinary math, career exploration, and participation in the vet science CDE.

**Title:**  **Ag Welding I**

**Grade Level:** 10-12

**Prerequisites:** None

**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 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 Mechanics**

**Grade Level:** 10-12

**Prerequisites:** None

**Course Description:**

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

**Title:**  **Ag Leadership and Communications**

**Grade Level:** 11-12

**Prerequisites:** Instructor Permission

**Course Description:**

Communication and teamwork are emphasized throughout this independent 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.

**Title:**  **Research in Agriculture**

**Grade Level:** 12

**Prerequisites:** Instructor Permission

**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. Students will have the opportunity to further develop their organizational skills by interacting not only with other class members, but also with other organizations, group, and activities.

# Business

**Courses Offered:**

**Business Entrepreneurship and Management Pathway**

* Business Economics
* Accounting I
* Advanced Accounting
* Business Management
* Entrepreneurship
* Applied Business Development

**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 necessary life skills.

**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. Most of the accounting work will be done online via Aplia.

**Title:** **Advanced Accounting**

**Grade Level:** 11-12

**Prerequisites:** Accounting l

**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 done online. This course is also taught in the same block as Accounting I.

**Title:** **Entrepreneurship**

**Grade Level:** 11

**Prerequisites:** Accounting I, Business Communications (helpful), spreadsheet knowledge

**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 or 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. Students will prepare a trip proposal, arrange travel plans, and prepare a trip. A course grade of 70% (C-) in each class 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:** 11-12

**Prerequisites:** Business Economics, Accounting I, Spreadsheet knowledge

**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 to prepare for time management and community. Students will learn and apply technical skills through hands on approach by updating the marque and personal experiences in the business world via various projects.

**Title:** **Applied Business Development**

**Grade Level:** 12

**Prerequisites:** Business Economics, Accounting I

**Course Description:**

Applied Business Development students will practice skills of planning, organizing, directing and controlling functions of operating a business while assuming the responsibilities and risks involved. Students will develop skills in enterprise development, market analysis and financial preparation. This course includes classroom activities as well as further study of the field and discussion regarding real-world experiences and applications that students encounter in owning and managing a business via the vending business mentioned in entrepreneurship.

# MISC. ELECTIVES

**Courses Offered:**

* Summer’s Drivers Ed.
* Yearbook I,II, III & IV
* Student Aide
* PLATO Online
* Special Education Services

**Title:** **Driver Education**

**Grade Level:** 9-10

**Prerequisites:** Eighth grade graduate and must be 14 years old on or before

June 1st of the summer 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.

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

**SPECIAL COURSES AND OPPORTUNITIES**

**Title:** **Student Aide**

**Grade Level:** 11-12

**Prerequisites**: None

**Course Description:**

The purpose of the student aide at McLouth schools is to, when possible, match students with the instructors who teach a subject that aligns with the student’s Individual Plan of Study (IPOS.)

The teachers and staff at McLouth aim to scaffold a student’s learning by exposing them to information and experiences that are relevant to their college or career goals. This may not happen in every case, but it is the primary goal.

A contract stating such will be signed by the student & 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.

**Title:** **Special Education Services**

**Course Description:**

Through the Keystone Learning Center services that are available to McLouth students include; gifted education, learning disabilities instruction, personal and social services, and speech therapy.

Students must be referred by parents, teachers, or other staff members for possible selection into these programs. Selection is dependent on the testing evaluation, and parental approval according to state guidelines.

**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:**

**Advanced Manufacturing**

Advanced Systems Technology

Certified Logistics Technician

Certified Production Technician

Machine/Tool Technology

Welding

Fast Track Welding

**Business**

Business Bookkeeping and Accounting

Legal Office Professional

Medical Office Specialist

Office Careers Technology

**Computer Networking and Technology**

Computer Repair

Computer Networking

**Construction**

Building Technology

Cabinet and Millwork

Climate and Energy Control Technologies

Commercial and Heavy Construction

Electrical Technology

**Drafting and Design**

Graphics Technology

Technical Drafting

**Health Care**

Certified Nursing Assistant

Advanced Health Care Technology

Certified Medication Aide

Emergency Communications

Emergency Medical Technician

Health Care Technology

Home Health Aide

Phlebotomy

Practical Nursing

Surgical Technology

**Hospitality and Human Services**

Cosmetology

Culinary Arts

Early Childhood Professional

**Transportation**

Auto Collision

Automotive Service Technician

Diesel Technology

Locomotive Diesel Technology

Heavy Diesel Construction Technology

*Not all programs are available to high school students. Testing for some certifications requires students be at least 18 years of age.*

### 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/Powerlifting

Boys & Girls Track / Cheerleading / Dance Team/ Baseball & Softball

**Other:**

MHS Scholars Bowl Team

National Honor Society (Must apply & be inducted)

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

# McLouth High School College

# Dual Credit Courses

Students at McLouth High School have the opportunity to take several courses for potential college credit. All classes require some tuition and fees paid before credit can be earned. Some courses (denoted with an \* below) require passing score on the ACT or placement test.

**Dual Credit/Collaborative Courses**

These classes are taught in a traditional classroom by McLouth teachers (collaborative classes also have a college instructor online).

**Highland Community College**

College English I

College English II

College Algebra

Trigonometry

Calculus

**Missouri Western University**

General Chemistry I

Spanish (must have taken Spanish I-III at MHS)

**Online/McLouth College Center Classes**

These classes are delivered in an online only format. Students will be assigned an hour in their day to work on these classes under the supervision of a McLouth teacher. All are delivered by Missouri Western University. Classes are taught in pairs as listed below.

Fitness and Wellness/Oral Communications

General Psychology/Introduction to Sociology

**General Requirements**

**Highland Community College:** be a junior or senior in good standing, must have a 22 on the math sub score of the ACT (or equivalent ASSET score) to take College Algebra. College Algebra is a prerequisite for Calculus.

**Missouri Western University:** 10th graders must have a 3.0 GPA, parental permission, and a counselor/principal recommendation to take Fitness and Wellness/Oral Communication. 11th-12th graders with a 2.5-2.99 GPA have the same requirements as 10th graders. 11th-12th graders with a 3.0 are open to take classes. General Chemistry I requires a 22 on the math sub score of the ACT.

**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:** Trigonometry & 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**

**1st sem 2nd sem** **1st sem 2nd sem**

**\***College Algebra **\***Trig Eng 101 Eng 102

\*Calculus

\*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.

**The following college class is offered on-line through Pratt Community College for college credit.**

**Title:** **General Psychology**  **3 credit hours**

**Grade Level:** 11-12

**Prerequisites:**  None **Course Length:** Spring semester

**Course Description:**

Students will study a general course overview of psychology that includes psychological theories, personality development, behavior, biological influences, child development, and mental illness and treatment. The pace will be twice as fast as a typical high school class. On-line assignments, posting and tests are required.