

## 2021–2022 McLouth High School Course Descriptions

### **Language Arts**

#### Freshman English

Students will compose four essays and shorter writing assignments based on grade-level classics such as *To Kill a Mockingbird* and *Romeo and Juliet* as well as shorter texts covering a wide range of themes.

#### Sophomore English

Students will compose four essays and shorter writing assignments based on grade-level classics such as *Macbeth* and *Night* as well as shorter texts covering a wide range of themes.

#### Junior English

Students will continue developing their listening, reading, writing, and speaking skills to explore American literature from ancient history through to the modern day.

#### Senior English

Students will conclude their secondary study of the English language with British literature and further development of their listening, reading, writing, and speaking skills.

#### College English

Students enrolled in College English will study writing and essay construction (1<sup>st</sup> semester) and writing in response to literature and nonfiction (2<sup>nd</sup> semester). Students who meet requirements set forth by Highland Community College will have the opportunity to enroll through HCC for college credit (tuition and fees are required).

### **Social Studies**

#### World History

Students will trace the cause and effect of events throughout world history beginning around the 14th century to the 20th century.

## American History

Students will trace the cause and effect of events throughout our nation's history (focusing heavily on post-Civil War Events) and its impact on us today.

## Government / International Issues & Solutions

Students will study the processes in our government and how these processes affect our lives.

## Psychology

Students will study the brain by looking how it affects our learning, perception, behavior, and interaction with others.

## **Mathematics**

### Pre-Algebra

Students will be practicing basic math skills and introducing Algebra concepts to prepare for Algebra I.

### Algebra I

Students will be covering basic Algebra concepts and working with them in a real-world application.

### Geometry

Students will solve proofs and work with triangles, along with basic geometry (points, lines, and planes).

### Algebra II

Students will be learning advanced concepts of Algebra with a main goal of preparation for a college level class.

### College Algebra

Students will continue to build their mathematical skills through upper level applications and concepts including functions, rational numbers, and equations. \*\*College Credit Available through HCC.

### Pre-Calculus / Trigonometry

Students will learn trigonometric functions, graphs, and applications as well as an in depth study of functions, vectors, limits, and derivatives.

## Probability and Statistics

Students will focus on basic statistical practices and their application to the real world.

## Consumer Math

Students will work with the fundamentals of mathematics and learn how to use math in the real world.

## **Science**

### Earth & Space Science

The science of the interactions of things on Earth and its place in space.

### Biology

The science of life. We will start small with cells and their functions, and build to bigger concepts.

### Chemistry

This course will explore matter (different types of matter, what it's made of, and how it interacts) using critical thinking, mathematical analysis, and problem-solving strategies.

### Chemistry II

This course is an advanced exploration of chemical interactions including aqueous reactions, kinetics, equilibrium, and thermodynamics.

### Anatomy and Physiology

Ever wanted to know how your body works and what all the parts are called? That's what you'll learn. We will also dissect a cat during 2nd semester.

### Physics

This course investigates how to quantify and describe motion and energy in the world around us.

### Engineering Science & Technology

This course involves problem-solving and the engineering process of design in planning, designing, building, and testing individual projects based on requirements given. This is a hands-on, project-based class.

## Animal Science

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.

## Physical Education

### Advanced PE

Students will perform and participate in various sport-related activities that will help them to maintain an active and healthy lifestyle.

### Physical Conditioning

Students will be given repeated opportunities to participate in resistance-training exercises and techniques for the purpose of muscular hypertrophy, strength, and athletic sport training.

## **Fine Arts & Foreign Language**

### Introduction to Art

Students will be introduced to a range of artists and art media and techniques.

### 2D Art

Students will focus on skills in drawing, painting, printmaking, and digital art.

### 3D Art

Students will focus on skills in sculpture, ceramics, and fibers.

### Advanced Art

Students will have a more in-depth study of art and be guided through independent art-making and self-promotion.

### Band

Band students will perform a variety of repertoire in multiple band settings including; marching band, concert band, and pep band.

### Jazz Band

Jazz band students will perform an eclectic series of jazz music throughout the school year.

### Musicianship:

Students will learn extended techniques and topics outside of the standard “band or choir class”.

### Choir

In Choir you will... SING! We will explore various types of music and participate in many performances including contests and the Pop Show!

### Spanish (I-II)

Students enrolled in Spanish I through IV will study the Spanish language through reading, writing, speaking, and listening.

## **Career & Technical Education**

### Business Economics

In this class we will study how and why people buy what they do when they do. We will study supply, demand, and the ever changing wonders of the market.

### Entrepreneurship

Ever want to own/run your own business? You’re in the right class! We will cover the wide variety of business topics needed for a successful entrepreneur.

### Business Management

Business is all about relationships. Understanding how to work with people is one of the most important skills businessmen and women can learn. In this class we will focus on the relational aspects of managing a business.

### Accounting

Are you all about the Benjamins? In this class we will study how businesses keep track of all the financial aspects of a company.

### Principles of Marketing

Developing ways to persuade customers that your product or service is the right one for them, is an art form. In this class we will be focusing on all of the jingles, commercials, advertisements, and... the four P's? That all makes up the marketing side of business.

### Agriscience

This course 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 and FFA experiences.

### Plant & Soil Science

This course will lead students through basic plant requirements, anatomy, varieties, plant growth techniques, and soil nutrition. Students will have hands-on planting activities and various instructional methods.

### Food Science

Instruction will focus around food safety, nutrition requirements, culinary skills, food marketing, and the chemistry breakdown of food. This class will participate in many laboratory procedures and gain knowledge from direct instruction.

### Ag Welding I & II

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. Eighty percent of the time will be spent in the shop.

### Animal Science

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.

## Ag Mechanics

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.

## Vet Tech / Animal Health

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.

## Ag Communications

Students will practice agricultural communication skills by interviewing others, creating a community service project, establishing a PALS program with elementary, writing feature stories, and creating a resume and cover letter as they discover career opportunities.

## **Speech**

### Public Speaking

Students will explore the history of public speaking as well as the various components of presenting a speech, and will compose and present four different kinds of speeches throughout the semester.

## **Personal Finance**

### Personal Finance

Personal Finance provides students with an understanding of the concepts and principles involved in managing one's personal finances

## **General Electives**

### Student Aide

Available to Seniors, being a Student Aide means helping a teacher or other staff member with appropriate duties. It requires responsibility and autonomy.

## Yearbook

Students will work together to publish the high school yearbook using an online application as well as their writing, photography, and communication skills.