

Montabella High School 2005-2006 Course Offering Guide

Arts/Vocational

Art IA

This course is open to any student interested in exploring the 2D dimensional visual arts. The emphasis will be to learn the basic skills of drawing, painting, craft and the application of design and color theory. It is a hands on class that students will participate and gain confidence in the constructive use of their imaginative thoughts to create and interpret original art work in relation to the world around them.

Art IB

This course is open to any student interested in exploring the visual arts. The emphasis will be to learn the basic skills of drawing, composition, additive and subtractive sculpture, and the use of design and color theory. It is a hands on class that students will participate and gain confidence in the constructive use of their imaginative thoughts to create and interpret original art work in relation to the world around them.

Art IIA

This course is to expend upon previously gained skills, development of personal style, explore historical references, develop more rigorous thinking skills, explore career opportunities, exhibit art work and explore alternate materials, including technology.

Art IIB

This course is to expend upon previously gained skills and development of personal style, explore historical references, develop more rigorous thinking skills, explore career opportunities, exhibit art work and explore alternate materials, including technology.

Band

First trimester will focus primarily on marching band, and second and third trimesters will focus on concert band. Students are required to participate in all public performances and are encouraged to participate in the pep band at the varsity basketball games.

Drama

A course in performing arts. Emphasis is on acting; but includes units in staging, make-up, lighting, and costume design. Students are required to work on cast or crews for performances.

Film & Literature

Film and Literature is a class designed to study films and related literature. Various genres will be explored for historical, rhetorical, and aesthetic significance. This class will incorporate writing exercises and discussions about the material.

Woodshop I

An introduction to tools and machines with an emphasis on craftsmanship.

Adv. Woodshop II & II

Prerequisite: Woodshop I

Construction

An introduction to basic home building. The class is designed around the construction of a scale model of a home.

Power Mechanics

Small engine service and repair, plus mini units in welding, threading, and sheet metal layout. Students must provide a lawn mower engine or comparable engine.

Mechanical Drafting

An introduction to the use of basic drafting tools and concepts. The majority of class work will be focused on problem solving in Three View and Isometric drawings.

Architectural Drafting

An introduction to residential architecture. Students will design and draw a plot plan, floor plan, and elevation drawings. The class is designed to enhance the student's ability to understand home design and construction.

Computer/Technology

Computer Applications

Students will get an introduction to spreadsheet design, database design, and Power Point. More in-depth study of graphic and photo work, with programs such as Adobe Photoshop Elements. Photo design for internet use will also be incorporated in the class.

Web Design

Prerequisite: Teacher Approval

Students will learn how to create and maintain a web page. Students will learn html, FrontPage, and Flash.

Yearbook

Prerequisite: Teacher Approval

This course will give you working experience in how a book or magazine is actually produced and financed; plus gives you hands on use of the computer in the publishing world.

English

English 9 A & B - Required

A required English class to be completed before graduation, with emphasis on reading, writing, and thinking skills.

English 10 A & B - Required

A potpourri of literary and grammatical explorations designed to broaden the student's understanding and enhance his or her communication skills.

English 11 A & B - Required

A course in American literature with emphasis in reading comprehension and writing skills.

English 12 A & B - Required

This class provides a study of major literary works with emphasis on interpretative theme writing. It also involves learning to read and understand materials independently, with a strong focus on the senior project.

Honors English 9 A & B

Prerequisite: Teacher Approval

An advanced class for students who are recommended by previous teachers and score well on standardized tests. Advanced skills in reading & writing, and a desire to produce quality work.

Honors English 10 A & B

Prerequisite: Teacher Approval

This course is for English students that excel in the subject and are recommended by their teachers.

Honors English 11 A & B

Prerequisite: Teacher Approval

This class concentrates on American literature and study skills necessary for the college preparatory student. An argumentative term paper must be completed to pass the class.

Honors English 12 A & B

Prerequisite: Teacher Approval

Honors English 12 is an advanced program fostered on the idea that students can profit from college level studies while in high school. The course will involve extensive reading and composition.

Foreign Language

Spanish I A & B

This course is an optional requirement for college prep students and is an introduction to the Spanish language.

Spanish II A & B

Prerequisite: Spanish I

This course is an optional requirement for college prep students and is a continuation of Span. I.

Spanish III A & B

This course is an elective for students who have completed Spanish I and II, and have an interest in further knowledge of the language.

Health/Physical Education

Health - Required

Positive attitudes toward your own health and total well-being will be developed. With the assistance of the teacher, you will develop personal health practices and consumer health skills;

examine emotional and mental health; prepare for personal growth and development; investigate family health; investigate the effects of substance use and abuse; practice disease prevention and control; assess your nutritional needs; and demonstrate CPR techniques and safety precautions. Communication skills will be a large part of this program.

Physical Education- Required

A required class for all freshmen which teaches basic skills in a variety of physical activities and strives for a maximum fitness level through circuit training and weight training.

Personal Health & Fitness

Prerequisite: Physical Ed.

Several weeks will be spent in the classroom learning about the body, how it works, and how to make it work at its best. Fitness levels and nutritional habits will be assessed and programs design to improve both. Students will use all recorded activities throughout the trimester to complete a final project.

Personal Health & Fitness II

Prerequisite: Freshmen P.E. & Personal Health & Fitness

Review and refresh the knowledge gained in PH&F. Assess fitness levels and design a program to improve desired fitness and skills. Use recorded material to complete a final project.

Lifetime Sports

Prerequisite: Physical Ed.

In this class, students will review/learn many games and activities that are practiced through people's lives. Non-competitive attitudes, having fun, fair officiating, and getting along within teams are stressed. Some activities are speed walking, jogging, weight lifting, bocce ball, golf, ping pong, jumping rope, aerobics, and volleyball.

Sports Medicine

This class is a study of many of the facets that Sports Medicine encompasses. Included are: Human Anatomy & Physiology, Kinesiology, Work Physiology, Modalities, and Obesity and Performance. Some basic diagnostic techniques and taping methods will be introduced.

Mathematics

Pre-Algebra A & B

The first half of the concepts of Algebra I will be covered.

Geometry/Trigonometry A & B

Prerequisite: Algebra I or Pre-Algebra

This course will cover a variety of geometric concepts in a plane and in space, including a brief study of trigonometry.

Algebra I A & B

Basic Algebra I concepts including graphing and factoring will be covered.

Algebra II A & B

Prerequisite: Algebra I or Algebra IB

A continuation of algebraic concepts.

Advanced Geo/Trig A & B

Prerequisite: Algebra II

This course will have an emphasis in trig and geometry using the concepts of Algebra II and will prepare students for Math Analysis. Recommended for students planning to attend college.

Math Analysis A & B

Prerequisite: Adv. Geo-Trig

Advanced topics for students who are planning on math, science or technical careers.

Calculus

Prerequisite: Math Analysis

AP Calculus is an advanced math course designed to prepare students for college math.

Science - 3 credits required

Biology A & B

A required class for graduation dealing with the life sciences. This course may be taken by 9th graders with approval from counselor.

Botany

Botany class is the study of plants. Students will study representative life cycles, plant physiology, plant taxonomy, plant evolution, and the global significance of plant life.

Chemistry A & B

Prerequisite: Algebra I

A class recommended for students following a college prep curriculum.

General Science I A & B

Students will study environmental science (i.e. oceans, earth, and meteorology).

General Science II A & B

Students will learn about physical and natural forces (i.e. gravity, light).

Social Studies

History I A & B - Required

An introspective look at America from the era of Reconstruction through World War I and the Great Depression that involves an integrated approach encompassing historical, geographical, and governmental disciplines.

History II A & B - Required

An introspective look at America from World War II to the present that involves an integrated approach encompassing historical, geographical, and governmental disciplines.

Government & Economics - Required

An organizational and political analysis of our governmental format. An intro to the concepts of a market economy and applying those concepts through a company and computer simulation.

Psychology I Open to Grades: 11-12

The science that studies the behavior and mental processes. A significant amount of material is covered in a short amount of time. Students are given a considerable amount of responsibility.

Psychology II

Prerequisite: Must have passed Psychology I

Review information from Psychology I and apply it to personality, personality disorders, and therapy. Students will learn and write about who they are and how they became who they are.

Current Events

A course that examines contemporary topics that affect local, state, national, and international areas.

Geography

This class will provide historical information on locations, environments, and specifics about each U.S. region. The students will also study climates and landforms and learn how humans have adapted to different climates.

Vocational Programs

CAREER CENTER PROGRAMS

Agriscience/Natural Resources	Criminal Justice
Auto Body Repair	Electronics/Computer Servicing
Auto Technology I & II	Entrepreneurship (2nd year students only)
Business Management & Administration	Health Careers
Child-related Careers	Integrated Manufacturing Technology
Computer Aided Drafting & Design	Medium/Heavy Truck Repair
Construction Trades	Welding Technology
Cosmetology I	

Students must fill out an application for all career center classes. Applications are available in the counseling office.

*Students may only sign up for Co-op if they have completed a Career Center course, or if they are enrolled in co-op and career center during the same semester. Students who wish to take co-op must see the counseling department for approval and an application.

COMMUNITY-AS-SCHOOL - Open to Grades 11-12

Community-As-School (CAS) is Montabella's work-study program open to 11th and 12th grade students. It is a trimester length program of on-the-job work experience and training in a

student's career interest area. Students must be responsible and eager to learn job skills. Students need to plan CAS into their Educational/Employment Development Plans (EEDPs).

CAS positions are available in a variety of career fields and more are being developed each year. Students may view a catalog of resources at www.montabella.com.

The following are just a few examples of CAS assistant positions:

Clerical Office	Dental Hygienist	Financial
Floral Designer	Funeral Director	Medical Billing
Medical office	Pastoral	Preschool Teacher
Probation Officer	Radiologist	Restaurant Manager
Secretarial	Taxidermist	Veterinarian

Students interested in attending the Career Center or CAS need to plan their high school requirements carefully to allow time in their schedules to be out of the building. Be sure to discuss these options with the high school counselor.

DUAL ENROLLMENT

Juniors and seniors who have been endorsed at levels 1 or 2 on all subtests of the High School MEAP may be eligible to take classes at local colleges for high school and college credit. Classes must be academic in nature or directly related to their career pathway. The school district pays tuition for these classes, as long as the student has taken the most advanced class offered at Montabella High School or at the Montcalm Area Career Center in that subject area. Students are responsible for their own transportation, books, and any activity fees. See the high school counselor for more information

ON LINE CLASSES

On-Line offerings may be available to students who require basic skill building classes or credit recovery. These classes will be approved on an individual basis by the counselor/principal. Classes may also be available through Michigan Virtual High School for students who have taken the most advanced classes at Montabella High School. These classes are NCA endorsed and taught by specially trained Michigan teachers. These classes use multi-media interaction activities and involve students in group work through chat lines and boards. Students taking on line classes need to have basic computer skills and be self motivated.