

BUSINESS AND TECHNOLOGY

ACCOUNTING (10-12)

Prerequisites: none

This elective course teaches students how to make money in the business world. Students learn to apply the internationally recognized Generally Accepted Accounting Principles (GAAP) while preparing financial statements, payroll records, and tax forms. Specific topics include analyzing and recording business transactions, analyzing and interpreting financial reports, receivables, inventories, long-term assets, current liabilities, and computerized accounting. Whatever career you're thinking about—musician, athlete, homemaker, CPA, entrepreneur—or if you're off to college soon, you'll need accounting skills for success in the real world.

COMPUTER APPLICATIONS (9-12)

Prerequisites: none

This elective course offers students the opportunity to investigate all aspects of computers. Students will examine the history and basic operations of a computer. Students will become proficient in their skill of basic computer software. Multidisciplinary projects will involve using various applications such as word processing, keyboarding, spreadsheets, databases, graphics, Web page editors and presentation software. Students will also have an opportunity to conduct research on the Internet, explore new technological innovations, examine technology-related careers, and speculate about future computer applications.

WEB PAGE DESIGN (10-12)

Prerequisites: none

The purpose of this elective course is to introduce the student to the skills necessary to design and develop an effective website. Students will create websites using HTML and Front Page. The topics covered will include text formatting, page layout, manipulation of graphics, the use of tables, and the incorporation of frames. Other objectives include using the internet, email, and notepad. Students will be required to design and create a minimum of one complete website incorporating all of the learned techniques.

COMMUNICATIONS

STUDENT PUBLICATIONS (10-12)

First semester: Students will learn the skills needed to produce the high school yearbook, literary magazine, and on-line newspaper during this semester. Emphasis will be placed on the following skills: writing, editing, photography, layout and design, advertising, and promotion. In addition, all students will become proficient in the use of two computer programs essential to the production of both the yearbook and literary magazine, Printmaker, and Paint Shop Pro. During this semester, students will publish four editions of the on-line newspaper, one issue of the literary magazine, and at least two sections of the yearbook.

Second semester: It is expected that students enrolled in second semester already have the skills to assist in the production of the yearbook, literary magazine, and high school newspaper. More emphasis will be placed upon production than training, and the meeting of production deadlines is essential. Students will produce four issues of the high school newspaper, a second issue of the literary magazine, and submit the remaining pages of the yearbook for publication. During this semester, students will also explore a variety of careers related to publishing--editor, reporter, author, photographer, darkroom technician, business manager, and graphic designer. Students will also learn how to prepare their work for publications outside of school, and be required to submit articles, stories, and photographs to a variety of student contests.

ENGLISH

Literature and Composition (11)

This semester class is designed to give the college bound student a background in the basics of literature, as well as allow him/her to become familiar with American authors from specific time periods in American history. Students will consider the works of numerous writers such as Cather, Twain, Dickinson, Whitman, Hawthorne and Poe. Grading will be based on tests, written work, homework, vocabulary, quizzes and class participation. Students will be expected to read outside of class, and will read novels quickly. An A or B in previous English classes, or department approval, is required to enroll in this class.

COLLEGE LITERATURE (12)

In this semester course, students will:

- be exposed to a variety of classic and contemporary writers such as, Shakespeare, Chaucer, Homer, Austin, Huxley, Williams and Wright
- be expected to do considerable reading and writing in and out of class
- read novels, short stories, plays, poetry, and nonfiction pieces.

Students must have an A or B in previous English classes (or department approval) to enroll in this class.

ENGLISH 9 (9)

First Semester: The course is designed to develop reading, writing, and thinking skills. Most of the composition work is based on reading selections from the course text, which includes a variety of literary forms: short stories, plays, poetry, and non-fiction selections. Grammar and language usage instruction is incorporated as part of the composition process.

Second Semester: In this course students will continue to develop reading, writing, and thinking skills through a variety of literary forms. Students are also required to complete a research paper and present an informative speech.

ENGLISH 10 (10)

First semester: English 10 focuses on the interrelationships between thinking, reading and writing. Emphasis will be placed on preparation for the high school MEAP test (reading and writing). Writing about ideas found in literary selections develops correct techniques, including the grammatical and mechanical aspects of composition. Students will demonstrate the ability to write for different purposes (e.g. technical instructions, autobiography) and for a variety of audiences. Emphasis will also be placed upon the development of critical thinking skills and careful listening.

Second semester: Inquiry and research will provide one of the major focuses of this semester. Students will review the steps of writing a research paper, investigate an assigned topic, and present their data in written and oral form to the class. Through this process, students will develop the skills needed to defend a point of view, locate library resources, and use technology to compose a variety of documented texts of their own. Students will also identify and apply their knowledge of elements of the short story—character, setting, conflict, climax, and resolutions, and then demonstrate their understanding of these elements by writing short stories in which each element is present.

ENGLISH 11 (11)

This year long class will begin with an extensive study of persuasive writing. It will also include the reading of mysteries, science fiction and fantasy, the exploration of social issues, and the analysis of film. This class will require oral presentations, book reports, research writing, debate and group work.

ENGLISH 12 (12)

This course will involve the reading of literature that connects to real life events, preparing students for adult roles. Students will read novels in different genres. Writing assignments will include letters, essays, journal writing, and many other real life applications.

FINE ARTS

The art program consists of courses that develop students' creative abilities and visual communication skills. Students will participate in hands-on-art studio, photography lab, and computer lab activities that explore the use of a wide variety of two-dimensional art materials. Through individualized and group instruction, the importance of experimentation balance with the more guided development of technical skills with specific art materials. The courses will sharpen students' critical and creative thinking skills and increase their confidence in their own creativity. Art courses will be year long, and will be taught in the sequence of: ART II, ART II, ART III, AND ART IV. All will fulfill the Fine and Applied Art graduation requirement for the Michigan Merit Curriculum.

FOREIGN LANGUAGE

SPANISH I (9-12)

Spanish I is an introduction to basic skills for speaking and writing Spanish. Emphasis is on listening, speaking, and reading skills. Vocabulary study is important. Differences between English-speaking and Spanish-speaking cultures are introduced.

SPANISH II (10-12)

Spanish II continues strengthening listening, speaking, writing, and reading skills with greater fluency being achieved in all areas. Vocabulary continues to be stressed. Successful students will be able to speak in all tenses. Spanish culture is explored in greater depth.

SPANISH III (11-12)

Spanish III emphasizes listening and speaking skills with greater accuracy. Reading becomes an important tool for vocabulary acquisition, and written work becomes more creative. Students continue to develop an understanding and appreciation of Spanish culture.

Health and Physical Education

HEALTH (9)

This semester class is intended to help young people make independent and informed decisions concerning their physical, mental, and social well being. Health practices, alternatives, and problem areas serves as a basis for examination, discussion, and decision making in the following areas of emotional and psychological development: disease processes, care and prevention of sexually transmitted diseases, self-damage by use of stimulants and other drugs, human growth and development, and personal hygiene.

PHYSICAL EDUCATION (9)

Physical education develops skills and attitudes about teamwork, sportsmanship, rules knowledge, body movement, and fitness through individual and team activities. Major emphasis centers on personal fitness concepts and exploration of leisure/lifetime activities. There are opportunities for leadership, officiating, and competition. Activities may include flag football, soccer (indoor and outdoor), volleyball, basketball, weight training, aerobics, fitness testing, self-defense/judo, speedball, as well as other individual and team activities as weather and time allow.

LIFETIME FITNESS (10-12)

This physical fitness exercise class is designed to provide students with the knowledge and practice of developing the attitudes and habits required for attaining and maintaining appropriate, individual fitness levels. Emphasis is placed on developing and maintaining cardiovascular efficiency, as well as muscular strength, endurance, and flexibility through circuit and/or strength training and other lifetime activities.

INDUSTRIAL ARTS

INTRODUCTION TO INDUSTRIAL ARTS (9-12)

This class will cover the basic skills of drafting and woodworking. Students will learn to use and understand mechanical drawing instruments and materials. They will learn the three views of orthographic projection, as well as the importance of neatness and accuracy. Students will learn dimensioning and lettering as well. The course will cover how to safely and effectively use hand tools and power tools in the woodshop to produce furniture. They will learn to design and estimate. Wood identification and the various properties of different woods will be discussed. Each student will build his/her own projects.

DRAFTING I (10-12)

(Prerequisite: Introduction to Drafting)

First semester: The first semester of this course covers the techniques and processes of architecture used in industry. Students are exposed to the complete set of woodworking drawings used by trades people to build homes and complexes. Each student will design and draw a residential home. The plans will use correct architectural symbols and proper scale. The student will develop the home's surrounding. Perspective drawings of buildings and rooms are also covered for the design and solar effect of the home.

Second semester: This time is devoted to expand the area of the study into special fields and important applications of mechanical drafting. Application of these special areas builds a firm foundation for future vocational training and possible employment.

DRAFTING II (11-12)

(Prerequisite: Drafting I)

Students will elect to study either architectural drafting or machine design and drafting.

In architectural drafting students will design and develop residential or commercial buildings. Working drawings will be followed by a model house project. Included in this will be electrical, plumbing, mechanical heating and landscape—all in model scale.

Students in the machine design area will work on problems found in industry. Possible future employment opportunities will be discussed: tool designer, draftsman, detailer, etc. Students will be exposed to computer aided drafting (CAD). Part time employment in local industry may be available to qualified students.

DRAFTING III (12)

(Prerequisite: Drafting II)

In this third year of drafting, students will work independently, preparing for either employment or continued study in this field.

GENERAL WOODS I,II,III (10-12)

(Prerequisite: Introduction to Woods)

This course is designed for students who have a general interest in wood technology. It will cover proper and safe use of power tools and identification of types of wood used in the shop. Included are written reports, homework from a text, keeping a notebook, and tests. Students will also design, draw plans, and complete a project. Development of good work habits will be stressed.

MATHEMATICS

ALGEBRA I (9)

This is a full year course. Class time will be spent covering many important concepts of algebra. Topics will include, but not be limited to: Algebraic tools, solving equations, solving inequalities, solving and applying proportions, graphs and functions, linear equations and their graphs, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic equations and functions, radical expressions and equations, and rational expressions and functions. To earn credit for this course, students will need to pass all the testlets that cover the new Michigan Standards & Benchmarks for Algebra I.

GEOMETRY (9-10)

This is a full year course. Class time will be spent covering a number of different concepts of geometry. Topics will include theorems and proofs, shapes, angles, area, transformations and other geometric subjects. Algebra concepts will be used and reviewed frequently throughout the course. To earn credit for this course, students will need to pass all the testlets that cover the new Michigan Standards & Benchmarks for geometry.

ALGEBRA II (10-12)

This is a second year course in algebra. Advanced algebra includes substantial amounts of geometry integrated with algebra. Students will continue to problem solve and read mathematics. The real life situations motivate algebraic ideas and applications to real world problems. Students will be expected to use current technology to help them.

First semester: This will include the study of the language of algebra, variations and graphs, linear relations, and matrices.

Second semester: During the second semester students will study systems, parabolas and quadratic equations, functions, powers and roots.

PRE-CALCULUS (11-12)

Prerequisite: advanced algebra with a "C" or better, a grade of B- or better is recommended

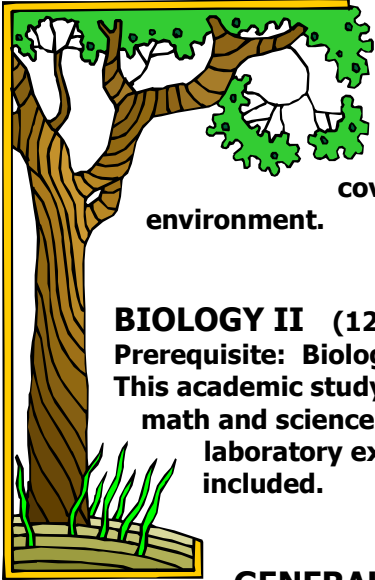
This competitive, upper level course requires a strong background in algebra, advanced algebra, and geometry. The topics covered include: data analysis, transformations and functions, logarithmic functions, trigonometric functions, probability, and circular functions. FCT provides excellent preparation for the ACT. Students who successfully complete this course will be well prepared for most college math courses.

PERFORMING ARTS

SENIOR BAND (9-12)

Senior band includes three components—a marching band, concert band, and pep band. Membership in senior band involves participation in daily rehearsal as well as in the following public performances: all home football games, marching band exposition, Band Day, Christmas tree lighting, Christmas concert, all band festivals, spring concert, Memorial Day parade, Bass Festival parade, graduation and any performance the community requests of the band. Football players are excused from football game performances and basketball players are excused from pep band at their games. Goals and major objectives stress preparation for performance. While preparing for a performance the student will learn an appreciation for various types of music, a history of music, music theory, as well as increasing individual skills, and acquiring an ability to perform as an ensemble. (Prerequisite: Three years of playing experience on a band instrument or permission of the instructor).

SCIENCE—BIOLOGICAL



BIOLOGY I (10)

This is an academic study of living organisms. Lecture, demonstrations, and labs will be used, along with a textbook. The following unifying themes will be covered: the cell, heredity, evolution, classification and the environment.

BIOLOGY II (12)

Prerequisite: Biology I and Chemistry with a "B" or better

This academic study is recommended only for students who have excelled in math and science throughout high school. Instruction includes lecture and laboratory experimentation. A *mandatory* fetal pig dissection is also included.

GENERAL BIOLOGY (10-12)

This basic course is the study of living organisms from the smallest living cell to the human being. Lecture, demonstrations and labs will be used, along with a textbook. The following unifying themes will be covered: the cell, heredity, evolution, classification and the environment.

SCIENCE—PHYSICAL



EARTH AND SPACE SCIENCE (9-12)

This class will address ideas in geology, hydrology, meteorology and astronomy. Semester one will primarily address Earth as a system and include ideas such as global warming, the advanced rock cycle, earthquakes, volcanoes and glaciers. Second semester will start with the study of the night sky, including our own sun and what is beyond our solar system and galaxy. The year will conclude with lessons on weather, including severe weather. Technology will be used throughout this class.

CHEMISTRY I (11-12)

Requirements: An average of B or better in general science and Biology I and a recommendation from a science teacher

The first semester of this course will include all of the elements of chemistry plus an in depth study of chemical reactions, the periodic table, and additional experimentation. The second semester will have additional emphasis on organic chemistry and biochemistry.

PHYSICS (12)

Prerequisite: A grade of B- or better in advanced algebra, FST recommended (can be concurrent)

The first semester of this class will focus on motion, vectors, motion in two dimensions, and momentum. The second semester will include the following topics: work/energy/simple machines, potential/kinetic/thermal energy, conservation of energy, waves and energy transfer, light, electricity and quantum theory.

SOCIAL STUDIES

AMERICAN STUDIES HISTORY (11)

First semester: The roaring twenties will begin this course and we will cover the depression, World War II, the post war years, and the 50's and 60's. Hopefully, study will continue through the rest of the century, when the United States became a major economic and political power in the world. The diversity of our country and its present place in the world will be emphasized.

Second semester: This course takes United States history from reconstruction through World War I. It will cover the industrialization and urbanization of our country, discussing the government's changing role in our lives and the emergence of the United States as a world power. Geography and economic concepts will be an integral part of the study.

CIVICS AND ECONOMICS (9)

This class will acquaint students with the structure of local, state, and national governments in the United States. Individual rights and responsibilities will be explored in detail. The role of the United States in the world, and the student's role in the world, will be studied. Students will learn the basic principles of economics, which include the American system, the student's role in this system and the factors that affect this system. Students will also learn about global economies, the impact of geography on these economies and the role of the United States in the global market.

GOVERNMENT (12)

This semester class will deal with the structure and workings of the American political system. The students will be exposed to the history of, and reasons for, our federal system of government. The importance of civic participation, voting, community service, the jury system and responsible citizenship will all be stressed. The student will also be introduced to basic economic concepts such as supply/demand, markets, and consumer economics—credit cards, budgets, buying a house, renting, and basic fiscal management techniques.

HUMANITIES HISTORY (11)

First semester: This course is a study of the United States involvement in major wars during the 18th and mid 19th centuries. The French and Indian War, American Revolution, War of 1812, war with Mexico and American Civil War will be studied, with emphasis on the Revolutionary and Civil Wars. Students will be required to read a novel based on these two major wars.

Second semester: This course is a study of the United States involvement in major wars during the late 19th and 20th centuries. We will cover the Spanish-American War, World War I, World War II, the Korean War, the Vietnam War, and the Gulf War. Emphasis will be on the two world wars, and students will read a novel based upon these two wars.

SENIOR FOCUS (12)

This semester course will examine adult roles as they apply to individuals in their interpersonal relationships as family members, consumers, citizens and workers. It will include such areas as thinking logically, making decisions, resolving conflicts and making responsible and healthy lifestyle choices.

WORLD STUDIES (10)

This course will focus on 20th century:

- economics
- political system types and characteristics
- major world events of the past and present, and their effect on the modern world
- major world religions and their effect on international relations
- global terrorism
- global geography

SOCIAL STUDIES ELECTIVES

PSYCHOLOGY (11-12)

This semester course serves as an introduction to the many areas in the field of psychology. Human development at its various stages will be discussed. The class will study thinking, perceiving, and learning as those processes relate to intelligence and creativity. Human behavior, personality and communication will be explored.

SOCIOLOGY (11-12)

In this semester course we will study human group behavior. Society and culture, social structure, social institutions, the social process from early childhood through adulthood, social change, and social problems will be studied. The emphasis will be on the student's understanding of self and other people.

SUCCESS SEMINAR

This course explores learning strategies and helps students become better, more independent learners while increasing their personal management skills, both in school and in other contexts. Students will learn how to develop and apply a range of strategies to improve their learning and achievement, particularly their literacy, numeracy, communication, and planning skills. This course will increase students' confidence, motivation, and ability to learn.