

Armada Area Schools

Auto Technology - Introduction

This course is designed to provide students the skills and training they need to go on to trade school, college, or a career. Units of instruction will cover diagnosis and repair of engine, cooling, lubrication, and driveline systems following NATEF guidelines. Successfully passing the State of Michigan Mechanic Certification Test at the end of each semester will allow students to be employed as certified auto mechanics.

Building Trades I & II

Course I: Building Trades is a hands on course where students will use what they learned in the wood working courses and apply it to the basics of building. Students will cover the following topics: safety procedures, hand and power tools, building plans, floor framing, wall framing, ceiling framing, gable roof framing, installing windows and doors, exterior finishing, basic plumbing, and basic electrical. In this course students will not only learn about building concepts but apply them while constructing storage sheds, kids play houses, and other projects. This class is great preparation for any student interested in construction, engineering, architecture, or construction management.

Course II: The building trades program is designed for students who are interested in entering the carpentry, electrical, plumbing, and heating or masonry trades. Students in this class will construct a modular house at the high school. They will work with a teacher who is a certified licensed builder from the state of Michigan. Students will also be exposed to “guest” tradesmen from each facet of home construction. Emphasis will be on helping students understand all of the processes in the construction of the home, as well as the skills involved in each trade. Students who successfully complete this class will have an excellent opportunity for placement in the trade of their choice. Apprenticeship opportunities await the students at the completion of the program. Various hand tools will be required for the class. Students will have the option of putting a \$10.00 deposit on the hand tools or purchasing them the first week of school.

Computer Aided Drafting/CAD

In this course students will apply basic drafting skills to a Computer Aided Drafting program. Students will cover the following topics: 2D drawings, 3D drawings, dimensioning, architectural planning, design, and construction. In this course students will spend the trimester designing and drawing objects using CAD.

Drafting - Introduction

In this course students will learn, practice, and apply basic drafting skills that are used today in architecture and engineering careers. Students will cover the following topics: 2D drawings, 3D drawings, dimensioning, architectural planning, design, and construction. In this course students will spend the trimester designing and drawing

objects by hand using drafting tools to learn the basic concepts. They will apply these concepts by designing and drafting projects that they will actually produce and test.

Finance

This required course will assist students with developing the necessary financial skills to succeed in society. Students will develop positive money management skills and create a financial plan for the future to assist in achieving their financial goals. The course meets the national standards for Economics and Personal Finance and includes the following topics: Financial Planning, Career Planning, Money Management, Purchasing Strategies and Legal Protection, Banking and Credit, Housing, Investing, and Real Estate.

Health Occupations - Introduction

Introduction to Health Science is a one trimester course for 9th and 10th grade students interested in learning about over 300 different Health Careers such as Medical, Nursing, Dental, Veterinary, Diagnostic, Therapeutic, and Health Informatics. The class will explore the history and trends in health care and review how health systems work. Students will also learn the promotion of safety in healthcare. They will learn proper body mechanics, how to prevent accidents and injuries in a health care setting and how to respond to fire emergencies. Introduction to Health Science is the first class in a series of classes designed to prepare the high school student for a successful transition into a College or University health science program. The Health Science course series at Armada High School will prepare students to take the National Health Science Assessment. Passing this assessment earns them a certificate offered by the National Consortium for Health Science Education (NCHSE) and measures student mastery of basic skills and knowledge that workers in all aspects of the health industry need to know. The assessment satisfies the technical skills assessment requirement in state and federal legislation.

Health Occupations I & II

Course I: This course uses advanced investigative approaches to the study of human and social sciences as related to medicine and health care. Emphasis includes the language of medicine, body chemistry, anatomy and physiology, and the current and futuristic study of diseases and disorders. Diagnostic practices, health maintenance practices, as well as basic medical skills will be explored. Skills in science, mathematics, health, and social studies are reinforced in this course. HOSA (Health Occupations Students of America) competitive events serve as instructional strategies that reinforce the curriculum content—membership in HOSA is strongly encouraged. Prior coursework in Biology, Algebra I, and Health are advised. Anatomy and Physiology is strongly recommended to be taken before or concurrently with this course. The Health Science course series at Armada High School will prepare students to take the National Health Science Assessment. Passing this assessment earns them a certificate offered by the National Consortium for Health Science Education(NCHSE) and measures student mastery of basic skills and knowledge that workers in all aspects of the health industry need to know. The assessment satisfies the technical skills

assessment requirement in state and federal legislation. Course II: This specialized course is designed to prepare potential health care workers for performance in an advanced technical or professional health career. Emphasis is placed on professional development, communication, safety, bioethical/legal practices, assessment, and diagnostic practices, health maintenance practices, and problem-solving and decision making. Skills in mathematics, science, and communication are emphasized in this course. HOSA activities support networking with health care agencies and professionals through the development of clinical expertise and volunteerism. Membership to HOSA and participation in at least one competitive event is strongly encouraged. Fees to be determined and may be offset by fundraising. Job Shadowing will be a component to this class and will require student transportation (themselves or car pools) to Health Care locations in the area. A grade of "B" or higher in Health Occupations (based on Test Averages), a grade of "C" or higher in Anatomy and Physiology, and teacher discretion is required for admittance into this course. The Health Science course series at Armada High School will prepare students to take the National Health Science Assessment. Passing this assessment earns them a certificate offered by the National Consortium for Health Science Education (NCHSE) and measures student mastery of basic skills and knowledge that workers in all aspects of the health industry need to know. The assessment satisfies the technical skills assessment requirement in state and federal legislation.

Heavy Machine Operator - AIS

Course Opportunity through Richmond High School at AIS on Gratiot in Lenox Township Requires approval by counseling and administration This program prepares individuals to apply technical knowledge and skills in the safe operation, maintenance and repair of heavy equipment such as bulldozers, excavators, backhoes, and frontend loaders. This course includes electronics, hydraulics, engine performance, fuel systems, and fundamentals of mechanics related to heavy equipment and diesel operations. Successful completion will afford students an opportunity to earn a sponsorship to Ferris State University worth approximately \$10,000 (tuition costs), apply for acceptance into the AIS Apprenticeship Training Program, or find employment with other heavy equipment or diesel maintenance companies.

Marketing – Introduction I & II

Course I: Students will learn the basic marketing concepts in this course. Content will include an exploration of topics such as marketing and economic systems, the consumer market, and special markets. Projects and case studies will be used, along with the textbook, to cover the material. To be eligible to work in the school store, students must successfully complete both Marketing 1 and 2. Course II: Students will continue to learn basic marketing concepts in this class. This trimester, topics will include: market research, product development, pricing, placing and promoting products. Projects and case studies will be used, along with the textbook, to cover the material. To be eligible to work in the school store, students must successfully complete both Marketing 1 and 2.

Teacher Cadet

This course is designed for the student who is an aspiring educator and provides an opportunity to learn more about the professional vocation of teaching. The course will expose students to the evolution of teaching as a craft, ask students to analyze their own learning style and teaching approaches that work most favorably for their success. Students will observe teaching in multiple classrooms and write insightful reflection about the profession. The students will learn how to effectively develop lessons of their own. Leadership skills will be enhanced and interpersonal communication techniques will be developed—making this course valuable for any student.

Wood Working I & II

Wood Working 1 is a hands on course introducing students to techniques, tools, and careers involved with wood working. Students will learn how to safely operate hand and power tools. Students will be involved in planning, designing, and building multiple wood projects. We will cover the following topics: shop safety, hand tools, power tools, wood types and uses, planning projects, executing a project, and finishing a project. Students will have assignments, projects, and tests with each topic. Wood Working 2 is a hands on course teaching students to apply advanced techniques and tools used in wood working. Students will apply previous wood working skills to the following topics: wood repair, furniture building, and home remodeling. Students will be involved in planning, designing, and building multiple wood projects. This course will be based on working efficiently and producing quality work.