

Rockwood High School CTE Courses



Home of the Tigers

Business

Computer Applications

This course is designed to develop basic computer skills which will help students in high school, college, and the workplace. Students will gain basic proficiency in word processing, spreadsheets, databases, and presentations by using Microsoft Office Word, PowerPoint, and Excel. This is the first course in this Program of Study.

Advanced Computer Apps

This course provides advanced training for students pursuing Microsoft Office Specialist (MOS) certification. Students will enhance and develop their employability skills. Prerequisite: Computer Applications.

STEM

Principles of Engineering

Students evaluate existing engineering designs, use sketching and drawing techniques and complete simple design projects. Prerequisite: B average or above in previous math. This is the first course in this Program of Study.

Digital Electronics - Students construct and test digital logic circuits with hands-on activities, real-world equipment, and current technology. Prerequisite: Principles of Engineering. This is the second course in this Program of Study.

Robotics & Automated Systems - This is an applied course for students who want to explore how robots and automated systems are used. Prerequisites: Principles of Engineering and Digital Electronics. This is the third course in this Program of Study.

Human Services

Family & Consumer Science

Family and Consumer Science is an introductory course designed to help students develop everyday living skills. Basic life management skills will be taught to help students function and prosper as responsible teens and in their adult lives.

Nutrition Across the Lifespan

The goal of this course is to understand the principles of nutrition and its relationship to healthy living. Students develop skills in selection, preparation, storing and serving food.

Lifespan Development

This course is designed to aid students in developing parenting and caregiving skills that can be applied in a variety of situations. Major topics include becoming an informed parent, understanding prenatal development, caring for the newborn, being an effective parent/caregiver, caring for the sick and elderly and exploring career opportunities in care giving.

Automotive

Maintenance and Light Repair I

Students will be learning about basic automotive safety, tools, equipment, and sanding procedures. The course grade will consist of class work, demonstration, unit and vocabulary tests, participation, a midterm, and a final exam.

Maintenance and Light Repair II

The focus of this course is about general electrical systems, starting and charging systems, batteries, and lighting; as well as basic automotive safety, tools, equipment, and sanding procedures. The course grade will consist of class work, demonstration, unit and vocabulary test, participation, a midterm, and a final exam.

Maintenance and Light Repair III

Students will learn basic automotive suspension and steering system, and brake systems, advanced brake system such as ABS, Traction Control and Stability Control. In addition, students will learn about automotive safety, tools, equipment and procedures. The course grade will consist of class work, demonstration, unit and vocabulary tests, participation, and a final exam.