

AGRISCIENCE EXPLORATION – Course Code 030717

A beginning course that describes the science of the Agricultural food, fiber and natural resource industries.

CAREER CHOICES - Course Code 320101

Career Choice is a program designed for middle school students and introduces them to a broad range of career opportunities in today's society. It includes assessment of student's aptitudes and abilities, interests and learning styles in order to assist them in identifying careers and planning a career path.

DESIGN AND MODELING (PLTW) – Course Code 219909

Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are then challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy. Participation in Kentucky Technology Student Association will greatly enhance instruction.

AUTOMATION AND ROBOTICS (PLTW) – Course Code 219910

Students trace the history, development, and influence of automation and robotics as they learn about mechanical systems, energy transfer, machine automation, and computer control systems. Students use the VEX Robotics® platform to design, build, and program real-world objects such as traffic lights, toll booths, and robotic arms. Participation in Kentucky Technology Student Association will greatly enhance instruction.

MEDICAL DETECTIVES (PLTW) – Course Code 219916

Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a crime scene. They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health. Participation in Kentucky Technology Student Association will greatly enhance instruction.

VISUAL ART - INTRODUCTION TO CREATIVE MEDIA ARTS – Course Code 500617

An introduction to and survey of the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include: aesthetic meaning, appreciation and analysis; composing, capturing, processing and

programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations. This course covers the conceptual, social and philosophical aspects of the variety, purposes and nature of media arts.