

CLAY COUNTY HIGH SCHOOL

HOME OF THE BULLDOGS

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Programs of Study

Math/Science- Those who choose careers in the Science and Mathematics program of study apply essential mathematics and science content and skills in a real world context. Science and mathematics occupations include those in physical, environmental, and human endeavors. Career possibilities range from teachers of science and mathematics to lab technicians to NASA astronauts. Preparation for such occupations requires the following: 1. Understanding the process and applying the skills necessary to engage in discovery. 2. Recognizing the need to obtain a broad education in science and mathematics and share (communicate) this knowledge with the world. 3. Understanding the role of gathering, creating, processing and sharing data in science and mathematics.

Humanities- The Humanities curriculum includes disciplines that study the human condition and the self-expression of human beings. These disciplines include all language arts and social studies classes. While all students are required to earn credit in nine humanities courses in high school (English I, II, III, and IV, two foreign language courses, world geography, U.S. History, U.S. government, and economics), students planning careers in education, law, social work, anthropology, sociology, archaeology, history, journalism, writing, and related fields are encouraged to participate in this program of study.

Agriculture

Animal Systems- Production Animals- People who work in the Animal Systems/Production Animals program of study work to develop better, more efficient ways of producing and processing meat, poultry, eggs and dairy products. They study genetics, nutrition, reproduction, growth and development of domesticated farm animals. Some individuals inspect and grade livestock food products, purchase livestock or work in technical sales or marketing. Others advise agricultural producers on how to upgrade animal housing facilities properly, lower mortality rates, handle waste matter or increase production of animal products, such as milk or eggs.

Carpentry

Construction Carpentry- Students will learn basic skills and knowledge related to residential and commercial carpentry. Topics covered include wood, metal, and concrete building materials; fasteners; hand and power tools; fabrication based on construction plans; and framing of platform and post-and-beam structures, in both wood and metal. This course gives students an introduction to the skill and knowledge base typically required for apprentice carpenters.

Construction Welding- Students will learn basic skills and knowledge related to welding. The students will learn skills and knowledge related to a fabrication process that joins materials, usually metals or thermoplastics. Welding employs pinpointed, localized

heat input that can be used in repair or construction of new elements. Topics covered include safe practices as well as skills taught that are needed to produce many different types of welds in a safe environment. This course gives students an introduction to the skill and knowledge base typically required for apprentice welders

Health Science

Therapeutic Services- When you were a young child did you dream of becoming a doctor, nurse, dentist or pharmacist? Then you need to take a look at the careers in the Therapeutic Services program of study. These careers are focused primarily on changing the health status of the patient over time. Health professionals in this program of study work directly with patients; they may provide care, treatment, counseling and health education information.

Business Technology

Interactive Multimedia- Careers in Interactive Multimedia involve creating, designing and producing interactive multimedia products and services, including development of digitally-generated or computer-enhanced media used in business, training, entertainment, communications and marketing. Organizations of all types and sizes use digital media (the World Wide Web, CD-ROM, DVD) to communicate with existing and potential customers, to track transactions, and to collaborate with colleagues. Interactive media experts can find employment opportunities in organizations of all sizes and types, doing work such as creating e-business auction Web sites that allow people around the world to buy and sell items in real-time.

Family and Consumer Science

Family and Community Services- Employees with careers in family and community services assist individuals such as the homeless, housebound, and infirm cope with circumstances of daily living; counsel troubled individuals and individuals with emotional difficulties; train or retrain the unemployed or underemployed; care for the elderly and the physically and mentally disabled; help the needy obtain financial assistance; and solicit contributions for various social services organizations.

Interior Design- In the Interior Design program, students will study the design, safety, and usability issues of creating the spaces where we live, work, and play. Course work focuses on space, traffic patterns, and the colors, surfaces and furnishings that make surroundings comfortable and livable.

Fine Arts- The Fine Arts curriculum is composed of courses developed to help students find new ways to perceive their world, to appreciate art forms for beauty's sake (aesthetics), and to develop confidence in their own self-expression through self-discovery. The study of the fine arts promotes the understanding of culture and the differences in individuals and naturally motivates students in all their learning. While all students can benefit from this study, students planning careers in art, art education, music, music education, theater, or film making are encouraged to participate in this program of study.