

Culinary Basics



Taught by a collection of trained and experienced teachers, Culinary Basics will walk children through the basics of culinary art including:

- Kitchen Safety
- Food Safety
- Kitchen Measurements
- Recipe Following
- Nutrition
- Kitchen Equipment
- Cooking Methods
- The Basics of Baking
- Breakfast Food

Culinary Basics will include a balance of hands-on and instructional learning. Children will have opportunities to both practice their learning in class, and take home unique projects they can try.

Assessments will be available by our teachers for all students participating in class. These assessments will include:

- Culinary Skills In Practice
- Culinary Comprehension
- Class Participation



Elementary Art



In Elementary Art, students will be engaged with many different types of art styles and skills and will participate in school wide, state wide, and even regional wide competitions with the art they complete in class.

In addition to our Elementary Art teacher, students will have access to art coaches on specific projects they work on.



Physical Education



Physical Education classes are designed to practice and develop skills in activities that will help you maintain fitness throughout your life. During the year, you will set and monitor personal fitness goals that will aid in the development of a personal fitness plan. Periodically, throughout the year, fitness levels will be assessed in the following areas: cardiovascular endurance, flexibility, muscular strength and muscular endurance. Through these assessments we will develop a baseline in which we will use to set personal fitness goals. We will explore fitness activities designed to improve all areas of fitness. Our goal is that by the end of the year you will be able to calculate target heart rate and design workouts to maintain personal fitness levels that meet your specific fitness goals.

Students will also learn the basic rules and skills of specific sports along the way.



Intro To Forensic Science

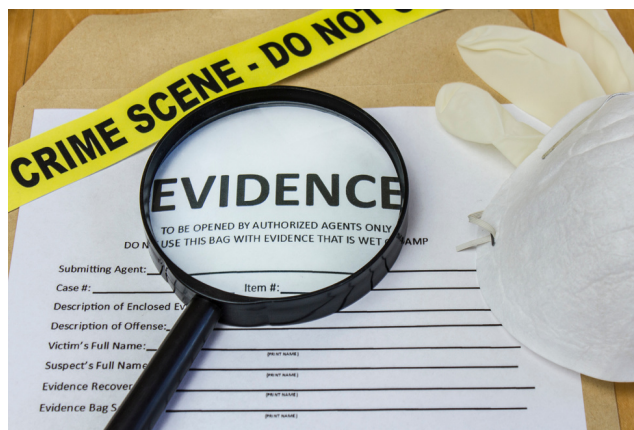


The term “forensic science” refers to the acquisition of knowledge gained from the evidence, analysis, and investigator interpretations with the goal of presenting this knowledge before individuals in the judicial system.

Students will study the requirements for becoming a forensic science expert, learn about the details of a forensic investigation, and discover the extensive training needed by forensic science experts.

Introduction To Forensic Science will include:

- Applicable Scripture
- Practical Labs
- Case Studies
- Famous Crimes In History
- Discovering how casts are taken of shoeprints and tire marks
- Evaluating fire and blood spatter patterns
- Exploring several types of microscopes
- Examining the role of alcohol, drugs, tools, insects, and more in crime scene investigation.



Intro To Robotics

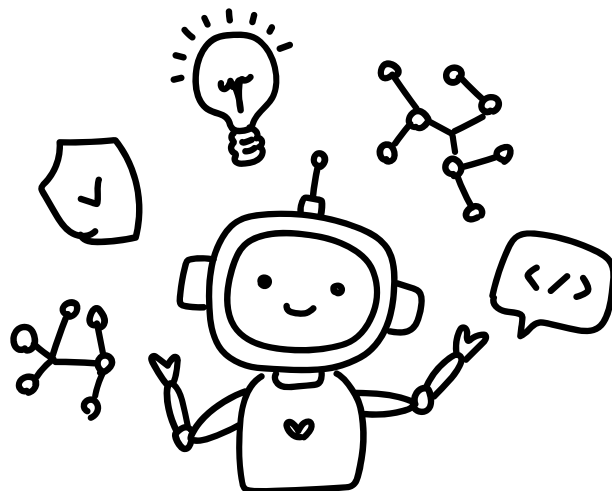


Intro To Robotics establishes the basics of robotics terminology and lab safety, followed by introductions to mechanical design, electronics, and programming for autonomous robotics.

In Intro To Robotics, student will learn the basics of coding and computational thinking, including:

- Robot Brain
- Robot Movement
- Functions
- Loops
- Analog Sensors
- Robot Decisions
- VEXcoding
- Wait Until
- Drivetrains
- Robotic Demonstrations

Student's will have opportunities to be a part of live robotic demonstrations throughout the year.



The Elements Of Art And Composition



Secondary Art Class will be taught by experienced art teachers and will include the following concepts of art:

- Advanced Drawing
- Advanced Painting
- Advanced AP Art
- Advanced Photography
- Advanced Crafting
- Intro To Sculpting
- Advanced Digital Media
- Calligraphy

Student's will have opportunity to compete at a state, regional, and national level with their completed art work.



Missouri State History



Missouri State History will be taught by one of our experienced teachers and will cover the following Missouri History topics:

- Missouri's Ecosystem, Climate, And Natural Resources
- Missouri's Early People
- Missouri's French And Spanish Explorations
- Missouri's Statehood (Lewis & Clark, The Louisiana Territory, etc.).
- Missouri's Fur Trade And Western Expansion
- Missouri's Frontier History
- Missouri And The Civil War
- Missouri's Reconstruction
- Missouri 1939 To Present
- Missouri Government
- Missouri Careers

Students will have opportunities throughout the year to join us on field trips that will directly connect to what they are learning in Missouri State History.



Elementary Engineering

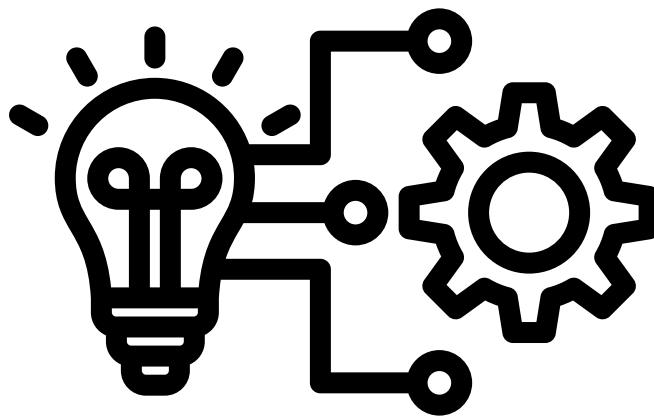


This Elementary Engineering course introduces students to the basics of engineering and analyzes the major impact engineers have had on the world as we know it. Students will study each step of the engineering design process and then put these steps into action. They will practice problem-solving and brainstorming through different design challenges and will also learn about several fields of engineering that exist today.

Sample Class:

In this unit, students learn about the engineering feat of the Panama Canal and then launch into their first engineering project, building a zipline. Through the course of this project, the design process is reinforced. Additionally, this unit introduces chemical engineering and common chemical engineering scenarios.

This class will also take closer looks at great engineering feats of our world/history!



Advanced Culinary Skills



In Advanced Culinary Skills several of our experienced teachers will demonstrate and teach specific cooking styles and recipes. Throughout Advanced Culinary Skills students will learn skills such as:

- Baking
- Types Of Knife Cuts & Skills
- Culinary Cooking Styles Across The Globe
- Flavor And Ingredient Combinations
- Preparing Specific Meats, Vegetables, And Ingredients
- Cooking Temperatures
- Kitchen Safety
- Food Safety
- Following Recipes And Measurements

Students will have many opportunities to cook and put what they are learning to use in the kitchen (classroom).



Acting: Keep Watch



Students will venture into the world of fine arts and acting with this engaging acting class. Taught by our speech teachers and coaches, Acting will focus on the skills of public performance while preparing students for competition and/or programs for parents and families.

In Acting, students will dive into performance details such as:

- Stage Crew Management
- Stage Lighting
- Sound
- Set Building
- Special Effects
- Costumes
- Makeup
- Acting Techniques
- Different Genre's Of Performances
- Historical Performances

Our students will have options available to take trips of live performances with our entire student body and touring specific stages throughout the year.





Elementary NASA Lab will spark students' curiosity by using a variety of activities and hands-on experiments. Through this authentic content, hands-on inquiry-based experiences, and partner-driven collaborations, students will be engaged in NASA mission activities and can even provide contributions to NASA's work.

Students will be engaged in activities and learning in areas such as:

- NASA's Telescopes
- Aeronautics and Flight
- Earth's Moon
- Eclipse
- Solar Systems And Beyond
- STEM Activities That Occur On ISS
- Heliophysics
- Current NASA Events
- Astronauts And More

Students will have opportunities to hear from astronauts via video throughout the year. Mrs. Emily Starr will be teaching the NASA Lab.

