

# Medical Detectives

Mehlville School District  
STEM  
Grades 6 - 8, Duration 1 Semester

## Rationale

The student will find their natural curiosity and imagination engaged in creative problem solving. The Gateway To Technology program is a strong foundation for further STEM learning in high school and beyond, challenging the student to solve real-world problems. Using the same advanced software and tools as the world's leading companies, the student applies the principles of math, science, technology, and engineering to their everyday lives.

## Course Description

The Medical Detective student plays the role of a real-life medical detective 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.

## Course Objectives

1. The student will utilize the skills of a medical detective.
2. The student will evaluate real-life case files to diagnose illness.
3. The student will explain the functions and processes of human body systems.
4. The student will determine a cause of death from a murder mystery using physical evidence.
5. The student will utilize the claim, evidence, reasoning model of scientific argumentation.
6. The student will apply the principles of forensic science.

BOE June 14, 2018