Course: Forensic Science
Textbook: *Forensic Science for High School* Third Edition Barbara Ball

Forensic Science is a high-interest, inquiry-rich integrated science that emphasizes critical thinking and problem solving through the use of real-world forensic science methodologies. For every piece of physical evidence brought in for analysis, the student must apply the scientific method. Students will learn the strengths and limitations of each forensic technique and its appropriate use in the courtroom. Using computational thinking and mathematical modeling, students will be able to quantitatively determine the effectiveness of each analytical technique.

Students will be required to complete case studies, labs, and crime scene simulations. These methods will be a primary means of teacher evaluation of student understanding in the classroom.

Grading categories will be as follows:

Summative Assessments: 30%
Lab Notebook: 30%
Formative Assessments: 20%
Semester Final Project: 20%

The following topics will be covered throughout this year long course:

Introduction to Forensic Science and the Law
Types of Evidence
The Crime Scene
Fingerprints
Hair
Fibers
Drugs
Toxicology: Poisons and Alcohol
Trace Evidence
Soil and Glass Analysis
Blood
DNA Analysis
Forensic Entomology
Human Remains
Firearms, Toolmarks, and Impressions
Document and Handwriting Analysis
Cybercrime