

COURSE TITLE: Forensics CP

Level of Difficulty	Estimated Homework	Prerequisites
Moderate	30-60 minutes	District: C or better in Biology CP/H C or better in Algebra 1 Chemistry CP/D Recommended Department Suggestion: C or better in Biology CP/H C or better in Algebra 1 Chemistry CP/D Recommended

Course Description:

Students taking forensic science will explore many science disciplines as each are used to support the legal system. In this class, students will apply concepts of biology, organic and inorganic chemistry, math, physics, genetics, and anthropology as they explore:

- forensic disciplines of crime scene documentation
- toxicology
- serology
- DNA analysis
- fingerprinting
- document analysis
- criminal profiling & psychology
- time of death methodology
- how firearms/ballistics is used as evidence

Students will learn to observe, collect, analyze, and evaluate evidence associated with criminal cases. Through scientific reasoning and critical thinking, students will evaluate the use of scientific principles as they apply to criminalistics and other life situations.

Students will explore instrumentation commonly used in laboratories to solve crimes, replicate and compare DNA, and identify unknown chemical compounds. Throughout the course, students will assess how scientific methods have evolved and interpret their impact on the reliability of forensic evidence.

Grading:

The grading system is based on weighted percentages. Each assignment will have a point value within the weighted category. Assessments and labs are weighted more heavily than homework. Individual teachers may make modifications on the weighted percentages. There will also be a cumulative midterm and final exam at the end of each semester.

Syllabus:

To be provided by teacher

Supplemental Information:

Homework Estimate: This is a general guideline for planning and scheduling purposes. A student's ability level may affect actual preparation time needed.