

Forensic Science is the application of scientific principles and techniques to matters of criminal justice especially relating to the collection, examination, and analysis of physical evidence. This course is conceptual and will involve hands-on activities and labs, technology, and classroom discussion. This course will teach you useful information in Math, Chemistry, Physics, and Biology.

Forensic Science is aligned with Arizona College and Career Ready Standards and/or national content standards and supports school-wide efforts to increase student achievement.

By the time the student completes this course of study, the student will know or be able to:

Obtain, Evaluate, and Communicate information from criminal investigations to determine the job responsibilities of forensic science personnel.
Engage in an argument regarding the probative value of evidence.
Plan and Carry out a crime scene investigation to obtain, evaluate and communicate evidence from a crime scene.

Plan and Carry out an experiment to determine the best fingerprint lifting method for a given surface.
Analyze and Interpret questioned and known fingerprint data to determine a match.
Analyze and Interpret characteristics of hair samples used in forensic analysis to eliminate suspects
Analyze and interpret characteristics of fiber samples used in forensic analysis to eliminate suspects
Engage in an argument about the probative value of fiber evidence

Obtain, Evaluate, and Communicate information about how the use of chemistry related technologies have had positive and negative ethical, social, economic, and/or political implications
Construct an explanation about the relationships among the frequency, wavelength, and speed of waves traveling in various media, and their applications to modern technology.

Ask Questions, Plan, and Carry Out investigations to explore the cause and effect relationship between reaction rate factors.

Obtain, Evaluate and Communicate information about time of death of a body based on post mortem changes, stages of decomposition, and/or insect activity.

Plan and Carry Out an investigation on a dead body (autopsy-actual or simulated) to determine cause, mechanisms, and manners of death.

Analyze and Interpret skeletal remains to determine the characteristics of the deceased.

1. Follow directions
2. Respect others and their property
3. Use appropriate language
4. Be on time and prepared for class
5. Be an active learner

1. Verbal warning

2. Conference with teacher and parent phone call

3. Referral

80% Assessment

20% Coursework

100% - 90%

89% -

00%

Homework will be a crucial part of your grade. The benefit of doing your homework each night does not lie in the points you earn. The benefit lies in your performance on tests and quizzes. If you do your homework (with reasonable effort), you will do well in this class. If you are swept and an assignment is due that day, it is YOUR responsibility to turn in the homework.

We will spend time on a daily basis working in small groups or individually on assignments. **THIS IS NOT FREE TIME.** When you are in this class, you need to be working. In-class assignments may be due by the end of the class period.

Tests will always be announced at least 3 days prior. We will have announced and unannounced quizzes throughout the year. The quizzes are to keep you on track with your work in this class. This is not a class that you can fall behind in and catch up easily.

In an effort to conserve resources and harness the capacity of our electronic grade reporting program (PowerSchool) district schools will no longer print hard copies of report cards unless requested by individual parents. To request a hard copy of your student's report card, please contact the front office at 623-376-3000. To receive your PowerSchool login, please stop into the office with a valid photo ID.

Grades and attendance may be accessed 24 hours a day online with your PowerSchool access code. Access codes are available in the Counseling Office or Front Desk Monday – Friday 7:00 AM– 3:30 PM. You may check student progress regularly on the PowerSchool site using the same login for one or more students. For Mountain Ridge parents/guardians without home computer access, a computer with guest log-in capability is available in the Counseling Conference Room.

In addition to the Academic Prep times built into our schedule each week, additional assistance/tutoring is provided on a weekly basis both by MRHS and individually by instructors. These office hours will be posted in my classroom, website, and/or Canvas at the start of each week. I will demonstrate to the students how to find my availability each week.

After an absence a student has one school day for each day missed to make up work/tests, regardless of the number of days absent. If many days were missed, please schedule an appointment with me to formulate a plan for the completion of make-up work. Make-up work for extended absences (over 3 days) may be requested through the Counseling Office and picked up there.

An assignment is considered missing work when it is not submitted by the due date.

Missing work will be treated as such:

The assignment will be marked with the "Missing" special code in the gradebook
A will be entered as the score for the assignment in the gradebook
No Evidence (NE) will be entered for the standards attached to the assignment

An assignment is considered late work when the assignment is not submitted by the due date that was established but is submitted within the parameters listed below.

For to be accepted, students must meet the following parameters:

- Assignment is not due within the class period
- Assignment is not a timed activity (such as a Quick-Write Essay)
- Assignment is not a Long-Term assignment (over multiple weeks)
- Assignment is turned in within the following time frame (By the end of the Unit)

The student completes another assessment of the same learning targets. The assessment to be retaken may be in the same format or a different format and will be at the same difficulty level. The higher of the two scores will be entered in the gradebook.

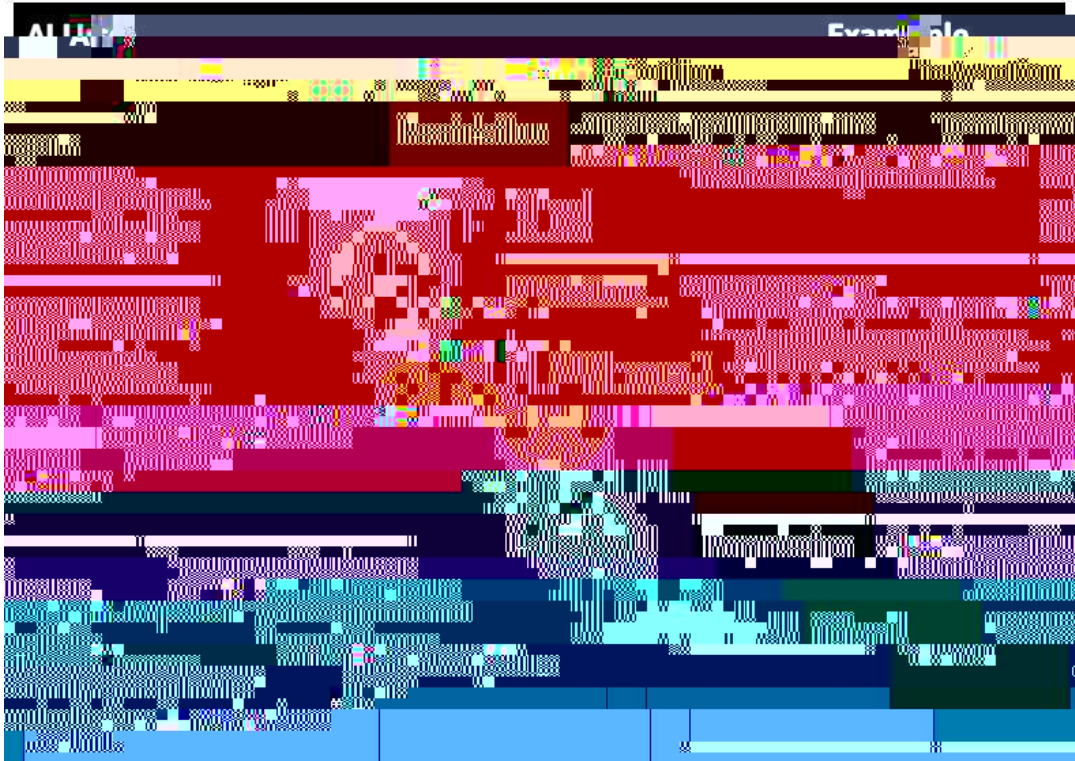
To earn a retake opportunity, a student must complete all of the following:

- o Consult with the teacher
- o Submit a reassessment plan or application, if required by the teacher
- o The reassessment plan may include all formative coursework related to the content/skill assessed

The student must initiate contact with the teacher within 5 school days of the assessment score being posted. The student must communicate with the teacher to create a reassessment plan.

- Assignment is not a timed activity (such as a Quick-Write Essay)
- Assignment is not a Long-Term assignment (over multiple weeks)
- Assignment is turned in by the end of the instructional unit.

Students should come to school with their Chromebooks charged and ready to use in each class every day. Devices may not be used to record or take photos of other people without their consent. Consequences for



*** I have read the Syllabus for Forensics 2024-2025 and understand the guidelines set forth and agree to abide by them.

As your Forensic Science teacher, I want to make certain that you are informed about the topics you will be learning. Your Forensic Science class will expose you to several controversial subjects. These include the following:

- crime scene situations and evidence
- serial killer videos, facts, methods, and psychology
- fingerprinting and hair analysis
- handgun and bullet analysis
- the effects of a fired bullet on objects and people
- drug use, addiction and analysis (legal and illegal)

- use and detection of blood, other body fluids and poisons
- autopsy procedures, photos, and videos

Not only will you learn about these topics, you may also have guest speakers and labs to gain hands-on experience. Illegal substances and objects will not be available to the students. However, several graphic demonstrations, pictures, videos, and illustrations are included in the class to further the understanding of certain topics. It is important to note that to convict criminals; one must first understand the circumstances of criminals, the crimes they commit, and the tools that are used to commit them. This must be done