

Mrs. Marchese's Forensic Science 2009-2010



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Welcome to Forensic Science. The purpose of this class is to introduce students to current methods used in crime scene investigation. During the course of the semester, students will utilize science process skills including conducting research, developing a hypothesis, making observations, and forming inferences and conclusions based on evidence.

CURRICULUM

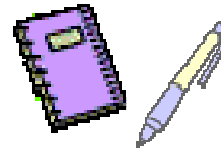


During the semester long Forensic Science Class, students will learn the scientific basis for crime scene procedures and perform the following investigations:

- Composite Sketching of Suspects
- Crime Scene Sketching and Photography
- Crime Scene Evidence Collection
- Latent Fingerprinting
- DNA Electrophoresis and DNA Fingerprinting
- Handwriting and Document Analysis
- Casting of Footprints and Tire Prints

- Identification and Classification of Skeletal Remains
- Ballistic Analysis
- Blood Typing
- Car Accident Force and Motion Investigation

Supplies



Students will need to bring the following supplies to class each day:

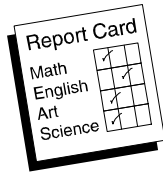
- Lab Binder (including 3 binder dividers)
- College-Ruled Binder Paper
- Pencil
- Highlighter
- Red Pen, and Blue or Black Pen
- Calculator
- Binder Reminder

LAB DONATION

Fortunately, Pine Valley was rewarded several grants to purchase equipment for our Forensic Science elective class such as electrophoresis equipment, interactive CD ROMs, skulls and bones, and motion detectors. Unfortunately, consumable

supplies needed to run many labs are not funded by these sources. In order to purchase materials such as fingerprint dusting powder, electrophoresis buffer, simulated blood, casting materials, and various other consumable supplies, I am relying on lab donations. Each student is asked to contribute \$25.

GRADING



Students will be required to keep a binder of all classwork. This CSI binder will contain three areas of study and grades will be weighted as follows:

- Protocols/Lab Procedures - 10%
- Lab Investigations - 80%
- Interviews / Video Notes - 10%

In the "Protocol" section of the CSI binder, students will include notes of how to use lab equipment and perform investigative procedures. This is important, as there is no textbook to use as a reference to our curriculum.

The majority of student's grade will be based on performance of crime scene investigations. Grading will be determined based on equipment proficiency and accuracy. All investigations will also include a written description of observations and conclusions. Grades will be updated on schoolloop on a weekly basis.

Formal homework will not be assigned. However, students may need to complete

lab reports if time does not permit in class. In addition, students will be required to make-up class work following an absence. It is the student's responsibility to find out from the teacher what was missed and how to make-up the work. Absent work should be completed within 3 days following an absence. If additional time is required, please contact Mrs. Marchese.

Quarter and semester letter grades will be determined as follows:

97.5%-100%	A+	77.5%-79.9%	C+
92.5%-97.4%	A	72.5%-77.4%	C
90%-92.4%	A-	70%-72.4%	C-
87.5%-89.9%	B+	67.5%-69.9%	D+
82.5%-87.4%	B	62.5%-67.4%	D
80%-82.4%	B-	60%-62.4%	D-
		Below 60%	F

CLASS RULES

As a teacher, I do not believe in establishing and enforcing a long list of rules. However, ensuring student safety and creating an environment which maximizes learning is essential. To this end, students are expected to:

- * Refrain from eating or drinking in lab
- * Be respectful to teacher and students
- * Don't fool around in lab or with supplies
- * Arrive to class on time and prepared with supplies listed in course description.

Students that arrive tardy will be given a warning on their 1st offense, a litter pick-up on the 2nd offense, a litter pick-up and phone call home on the 3rd offense, and a referral to the office following a 4th offense.

