

GLENDALE UNIFIED SCHOOL DISTRICT

Middle School

May 3, 2016

Department:	Science
Course Title:	Forensic Science Elective
Course Number:	
Grade Level:	7/8
Semester Credits:	5 (1 semester)
Textbook:	No actual textbook. Lab manual produced from gathering activities from many online sources will be used.
California Standards:	9. a. Students will plan and conduct a scientific investigation to test a hypothesis. 9. b. Evaluate the accuracy and reproducibility of data. 9. c. Distinguish between variable and controlled parameters in a test.
Course Description:	<p>This elective course will introduce students to the fundamentals of forensic science. Utilizing the steps of the scientific method, students will learn how to collect various pieces of evidence from a number of different crime scene scenarios and test the evidence to determine the perpetrator(s) of the crime. Students will collect as evidence: simulated blood and blood spatter samples, fingerprints, hair and fiber samples, DNA samples, urine samples, tire/footprint impressions, glass fragments, soil samples, and handwriting analysis samples.</p> <p>After completion of this course, students are encouraged to join the Academy of Science and Medicine at Crescenta Valley High School, which is a career pathway program offering students the opportunity to explore the various careers available in the fields of science and medicine.</p>
Course Outline:	Forensic Science Elective Course Outline
	I. Introduction to Forensic Science

- II. Glass Analysis
- III. Handwriting Analysis and Forgery
- IV. Soil Analysis
- V. Impression (Tire, Footprint, Key) Analysis
- VI. Trace Evidence Analysis (Hair and Fibers)
- VII. ABO Blood-typing
- VIII. Blood Spatter Analysis
- IX. White Powder Analysis
- X. Forensic Entomology
- X. DNA Fingerprinting
- XI. Crime Scene Analyses (Practical Examination)