

MARLBORO CENTRAL SCHOOL DISTRICT

HS SCIENCE: FORENSICS

Title or Topics	Concepts / Skills	Major Assessments (Tests, projects, etc.)	Time Frame (Number of weeks)
Introduction to Forensics	Describe the extensive area of forensics in reference to career options	Career PowerPoint You are Hired Activity	2
Brief History of Forensics	Brief overview and intro to the Forensics field	History PowerPoint project Identify different areas of forensics and make connections to other disciplines	1
Intro to Forensics and the Law	Brief overview of Forensics and the law	Guest Speaker, SRO, PowerPoint Chapter 1, Basic law and Forensic Terminology	2.5
Crime Scene Investigation	Crime scene processing Interrogation How to process a crime scene Witness Testimony Cases related to crime scene processing issues	OJ Case Videos related to crime scene processing David Cassidy Activity	5
Evidence Unit	Physical evidence and testimonial evidence Witness Reliability Class and individual evidence	Mrs. Miller Module 1.4 Evidence PowerPoint "Eye on You" lab Evidence lab	3.5
Human Remains	Time of death indications Archeological Forensics Entomology indicators	Human Remains PowerPoint Perfect Corpse Bug Bodies Video and Worksheet Time of Death Lab	2
Fingerprinting	Importance of Fingerprinting Basic terminology and techniques	Fingerprinting stations 6 day sequence	2.5

		5 stations, 5 activities, students rotate, Fingerprint PowerPoint	
Hair and Fiber Unit	Students understand the importance of trace evidence like fibers and learn to distinguish different hairs and fibers	Hair and Fiber PowerPoint Hair and Fiber Stations, 6 stations for 6 days, students rotate Related video	3
Blood Spatter Unit	Students understand the importance of blood spatter investigation and how blood spatter can be used to reconstruct the crime scene Caliper use Blood Typing	Videos related to blood spatter Cases (McDonald) Blood Stations, 5 activities over 5 days, students rotate Caliper exercise	5
Forensic DNA Unit	Students learn how DNA is a "recent" tool that has freed many innocent individuals from prison	DNA Extraction lab DNA PowerPoint OJ Case Innocence Project	4
Entomology Unit	Students learn how the area of entomology can help determine the time of death	Entomology video and lab	3
Document Analysis	Students will learn how document analysis is an integral part of forensic science	Document lab Document analysis PowerPoint	1
Crime Scene Project	Students will use concepts learned throughout the year and apply them to a final project. Fingerprinting, DNA, hair/fibers, blood spatter, evidence, and other elected areas of forensics will be included.	Microbe Murder Mystery Final Project Presentations	June