

Examining the Evidence Syllabus

Session	Content	Format
Introduction to Forensic Science		
Monday: Day One		
Morning 9:00-11:15am Break: Lab Safety	<ol style="list-style-type: none"> 1. Introductions 2. Honor Code, Classroom Rules Computer Rules 3. Pre-assessment 4. Mug Shot 5. Defining Forensic Science 	<ol style="list-style-type: none"> 1. Ice Breaker 2. Rules, Rules, Rules 3. Independent Time 4. Take Photograph of Student 5. Group Poster Presentation
Afternoon 12:30-2:15pm Break: After Lunch Lab Reserved	<ol style="list-style-type: none"> 1. Lab Safety 2. Lab Report 	<ol style="list-style-type: none"> 1. Mock Scene 2. How to write a lab report
Late Afternoon 4:00-5:30pm	<ol style="list-style-type: none"> 1. Scientific Method 2. Fields of Forensic Science 	<ol style="list-style-type: none"> 1. Understating the Fundamentals of Science. 2. What is your favorite and why?
Crime Scene Processing Techniques		
Tuesday: Day Two		
Morning 9:00-11:15am Break: After "INDE"	<ol style="list-style-type: none"> 1. Improve Observational Skills 2. Inductive and Deductive Reasoning 3. Lecture on Locard's Theory 	<ol style="list-style-type: none"> 1. Mystery Boxes 2. "Thinking Outside of the Box" 3. Trace Evidence
Afternoon 12:30-2:15 Break: After Lunch	<ol style="list-style-type: none"> 1. Deadly Picnic 	<ol style="list-style-type: none"> 1. Independent Time
Late Afternoon 4:00-5:30pm (Outside Activity → RAs)	<ol style="list-style-type: none"> 1. Lecture on Crime Scene Techniques 2. Practicing and Applying 	<ol style="list-style-type: none"> 1. Handout 2 2. Where's Waldo?

recommended to attend)	Crime Scene Techniques	
Examining Fingerprints		
Wednesday: Day Three		
Morning 9:00-11:15am Break: After Lecture	1. History of Fingerprints 2. Lecture 3. Methodology of Lifting Fingerprints	1. Outlining Crucial Moments 2. Classifying print (Handouts 3 and 4) 3. Techniques
Afternoon 12:30-2:15pm Break: After Lunch	1. How to Take Fingerprints 2. Fingerprinting Cards 3. Analyzing Fingerprint Data	1. Demonstration → Instructor and TA 2. Create and Classify Personal Fingerprints 3. Statistical Findings → Handout 5
Late Afternoon 4:00-5:30pm	1. Lifting of Prints	1. Fingerprinting Lab
Hair and Fiber Analysis		
Thursday: Day Four		
Morning 9:00-11:15am Break: In Between Lectures	1. Lecture on Hair Analysis 2. Lecture on Fiber Analysis 3. What is a microscope? 4. Lab Report Example	1. Morphology of Hair 2. Characteristics of Fibers 3. Practice using a Microscope <ul style="list-style-type: none"> • The Do's and Don'ts
Afternoon 12:30-2:15pm Break: After Lunch	1. Fiber Examination	1. Label and Identify
Late Afternoon 4:00-5:30pm (RAs recommended to attend)	1. Fiber Examination 2. Complete Fiber Lab Report	1. Fiber Lab with Unknowns → Handout 6 2. Independent Time
Forensic Serology and Weekly Review		
Friday: Day Five		
Morning 9:00-11:15am Break: After Lecture	1. Lecture on Serology 2. Lecture on ABO Blood Typing 3. ABO Blood Typing Lab	1. Handout 2. Punnett Squares 3. What is your blood type?

Afternoon 12:30-2:15pm Break: After Lunch	1. Blood Work	1. Blood Typing Lab
Late Afternoon 4:00-5:30pm (RAs are recommended to attend)	1. Complete Lab Report for Blood Typing 2. Weekly Review	1. Independent Time 2. Jeopardy
DNA and Genetics		
Monday: Day Six		
Morning 9:00-11:15am Break: After Lecture	1. Discovery of DNA 2. Lecture on DNA 3. Visualizing DNA	1. "The Secret of Life" DVD (32 minutes) 2. Why DNA is important 3. Create a DNA molecule
Afternoon 12:30-2:15pm Break: After Lunch	1. Lecture on Genetics 2. Dominant and Recessive Traits	1. Meet Mendel. Determining Genetic Characteristics. 2. More Punnett Squares
Late Afternoon 4:00-5:30pm	1. DNA Extraction Lab 2. Complete Lab Write Up	1. See your own DNA 2. Independent Time
Forensic Toxicology		
Tuesday: Day Seven		
Morning 9:00-11:15am Break: After Lecture	1. Lecture on Toxicology 2. Case Study 3. Lecture on Pharmacology 3. Assign Poison to Students	1. Drug Types 2. Salem Witch Trials 3. Pharm 411 3. Outline of Poison Presentation
Afternoon 12:20-2:15pm Break: After Lunch (Computer Lab)	1. Poison Projects 2. Design Presentation	1. Scholarly Research 2. Work on Poster Presentations
Late Afternoon 4:00-5:30pm (RA recommended to attend)	1. Poison Project Presentations	1. Present Findings to Class
Document Analysis		
Wednesday: Day Eight		
Morning 9:00-11:15am Break: After Lecture	1. Lecture on Document Analysis 2. Chromatography	1. Handout 2. Chromatography Lab

Afternoon 12:30-2:15pm Break: After Lunch	1. Complete Lab Write up	1. Independent Time
Late Afternoon 4:00-5:30pm	1. Crime Scene Mock Up	1. Review
Arson and Mystery Project		
Thursday: Day Nine		
Morning 9:00-11:15am Break: After Lecture	1. Lecture on Arson 2. John Orr Case Study	1. Lecture 2. Serial Arsonist DVD
Afternoon 12:30-2:15pm Break: After Lunch	1. Who, What, Where, When, and How Mystery Project	1. Independent Time
Late Afternoon 4:00-5:30pm (Computer Lab)	1. Finish remaining work	
Autopsy		
Friday: Day Ten		
Morning 9:00-11:15am Break: After Body Systems	1. Lecture on Systems of the Body 2. Lecture on Autopsy 3. Interactive Autopsy	1. Functions 2. Physical Changes 3. Becoming a Pathologist
Afternoon 12:30-2:15pm Break: After Lunch	1. Why did King Tut Die? 2. Guest Speaker	1. Exploring the Unknown 2. Forensic Pathologist
Late Afternoon 4:00-5:30pm	1. Weekly Review	1. Jeopardy
Forensic Anthropology		
Monday: Day Eleven		
Morning 9:00-11:15 Break: After Skeletal Remains	1. Lecture on Forensic Anthropology 2. Lecture on Skeletal Anatomy 3. Determining Identity from Skeletal Remains	1. FACES 2. Meet Bob → Identify and Label Bones 3. What is this Person's Age, Height, Sex, Race, etc.

Afternoon 12:30-2:15 Break: After Lunch	1. Case Study	1. Anastasia Romanov DVD (60 minutes)→Handout
Late Afternoon 4:00-5:30pm (Computer Lab)	1. Persuasive Essay: Alive or Dead?	1. Independent Time
Forensic Anthropology Continued		
Topic of Choice		
Tuesday: Day Twelve		
Morning 9:00-11:15am Break: After Preparation	1. Sherlock Bones Lab 2. Complete Lab Report	1. Who is this? 2. Independent Time
Afternoon 12:30-2:15pm Break: After Lunch	1. Study/Review	
Late Afternoon 4:00-5:30pm	1. Finished Lab Reports	
Review and Catch Up Day→ Schedule to be Determined		
Wednesday: Day Thirteen		
Morning 9:00-11:15am Break:	1. Final Crime Scene	1. Final Crime Scene
Afternoon 12:30-2:15pm Break: After Lunch	1. Final Crime Scene	1. Final Crime Scene
Later Afternoon 4:00-5:30pm	1. Final Crime Scene	1. Final Crime Scene
Crime Scene Investigations		
Thursday: Day Fourteen		
Morning 9:00-11:15am Break:	1. CSI Thousand Oaks 2. Formulating a Supply List 3. Collecting and Analyzing Evidence	1. Student Investigate a Crime Scene 2. Group Time 3. Applying Lab Techniques to the Crime Scene

Afternoon 12:30-2:15pm Break: After Lunch	1. Post Assessment	
Late Afternoon 4:00-5:30pm (RAs recommended to attend)	1. Clue	
Last Day!!!		
Friday: Day Fifteen		
Morning 9:00-11:15am Break:	1. Class Discussion	
Afternoon	1. Parent-Teacher Conferences	