

# FORENSIC CHEMISTRY: FINGERPRINT ANALYSIS

Big Idea	Learning Objectives	SUPPLIES	Formative Assessments
Student will understand the main scientific roles, tools, analysis, and evidentiary chemistry behind forensics.	Students will identify the 3 fingerprint patterns and determine which one(s) they have.	<ul style="list-style-type: none"><li>○ Fingerprint Packet</li><li>○ Fingerprint WS</li><li>○ CSI: A Bullet Runs Through It DVD</li><li>○ Fingerprint Lab Sheet</li></ul> <ul style="list-style-type: none"><li>● Pencils</li><li>● Rulers</li><li>● Magnifying glass</li><li>● Tape</li></ul>	<ul style="list-style-type: none"><li>● <i>Guided Practice</i></li><li>● <i>Partner/Group Activity</i></li><li>● <i>Independent Practice</i></li></ul>
Guiding Questions	STANDARD		Summative Assessments
Why are fingerprints used for identification?	N/A		<ul style="list-style-type: none"><li>● <i>LAB</i></li></ul>
WHAT am I Learning?		WHY am I learning this?	How will I know I learned it?
Fingerprint analysis		To better understand the uniqueness of fingerprints	Solve the lab and answer with 100% accuracy question sheet
Modifications/Safety		Accommodations	
N/A		Provide answer key when necessary and extra time on task.	
TIME FRAME: 90+ min	SEQUENCE OF INSTRUCTIONAL DELIVERY		
<i>Warm-Up:</i>	<ul style="list-style-type: none"><li>● Students will be given a fingerprint analysis packet to read thoroughly.</li></ul>		
<i>Direct Instruction:</i>	<ul style="list-style-type: none"><li>● N/A</li></ul>		
<i>Guided and/or Independent Practice:</i>	<ul style="list-style-type: none"><li>● Students will perform a group lab activity in which they will fingerprint themselves and determine which pattern they have individually and share as a group.</li></ul>		
<i>Closure:</i>	<ul style="list-style-type: none"><li>● Students will watch CSI: A Bullet Runs Through It Part 2.</li></ul>		

**TEACHER NOTES:**