

## Objective

By the end of this lesson, you will be able to understand the basics of forensic science and its applications in solving crimes.

## Materials and Prep

Materials:

- Magnifying glass
- White paper
- Pencil
- Black light
- Various small items for fingerprinting (e.g., glass, metal, plastic)

Prep: Familiarize yourself with the concept of forensic science and its importance in criminal investigations.

## Activities

1. **Fingerprint Analysis:** Collect fingerprints from different surfaces using the materials provided. Use the magnifying glass to observe the details of each print.
2. **Invisible Ink:** Use the black light to reveal hidden messages written with invisible ink on white paper. Discuss the science behind invisible inks.
3. **Crime Scene Investigation:** Create a mini crime scene using small items and analyze it like a forensic scientist. Look for clues and evidence that can help solve the mystery.

## Talking Points

- What is forensic science?

"Forensic science is like being a detective in real life. It uses science to solve crimes by collecting and analyzing evidence."

- Why are fingerprints important?

"Fingerprints are unique to each person, like a secret code that can help identify who was at a crime scene."

- How does invisible ink work?

"Invisible inks are made of substances that are only visible under certain conditions, like heat or UV light. They are often used for secret messages."

- What is the role of a forensic scientist in a crime investigation?

"Forensic scientists help gather evidence from crime scenes, analyze it in labs, and provide expert opinions to help solve crimes."