



# Forensic Science Trace Evidence

## Competencies

## Resources

## Standards

## I can

- Differentiate procedures for securing & documenting a crime scene
- Perform evidence collection and storage
- Develop, analyze and classify fingerprints
- Identify & compare various types of shoe, tire, palm, lip, and bite prints
- Analyze, identify, and compare various hair samples
- Compare various types of fibers through physical and chemical analysis

## Vocab

**Content:**

**Academic:**



# Forensic Science Drugs & Toxicology

## Competencies

## Resources

## Standards

## I can

Perform tests to identify various drugs and/or poisons

Research and examine how various drugs &/or poisons affect and/or move through the human body

## Vocab

**Content:**

**Academic:**



# Forensic Science Serology

## Competencies

## Resources

## Standards

## I can

Distinguish between human and animal blood  
Accurately type blood  
Explore bloodstain patterns as a function of velocity, direction and height of fall

## Vocab

**Content:**

**Academic:**



# Forensic Science Human Remains

## Competencies

## Resources

## Standards

## I can

Use a human skeleton to determine gender, age range, height and race  
Predict time of death using rigor mortis, algor mortis, livor mortis, and stages of decomposition  
Distinguish between cause, manner, and mechanisms of death

## Vocab

**Content:**

**Academic:**



# Forensic Science DNA Analysis

## Competencies

## Resources

## Standards

## I can

Describe crime scene evidence collection and processing to obtain DNA  
Isolate and extract DNA from cells  
Justify use of DNA to determine family connections  
Examine use of DNA in the legal process

## Vocab

**Content:**

**Academic:**