



Detective Science

Provided by:

Iowa State University Extension
and Outreach, Scott County
875 Tanglefoot Lane
Bettendorf, Iowa 52722
563-359-7577
www.extension.iastate.edu/scott

Information	Program Description
Ages 8-12. Activities can be adapted for younger and older students.	Using real-life forensic labs, students learn how to search for evidence and gather clues, just like forensic scientists do. From analyzing fingerprints and handwriting samples, to conducting laboratory experiments, these fun and easy activities show children how science is used to solve crimes.
Curriculum Format	Each lesson can be presented in 45-60 minutes. Teaching Guide with complete instructions is provided. Teaching Kit with materials needed to present lessons is provided. User may need to provide standard classroom supplies (pencils, scissors, glue). If a lesson requires perishable items (e.g. milk), user is responsible for these purchases.

Lesson	Overview
One: Fingerprinting	Students will learn the history of fingerprinting as a technique for identifying suspects of a crime and perform their own fingerprinting experiment.
Two: Ink Analysis	Students will learn how chromatography is used to analyze and compare different types of inks and perform their own chromatography experiment.
Three: Powder Analysis	Students will learn how forensic scientists use chemistry to identify unknown substances at crime scenes and perform their own experiment on different types of powders.
Four: Tire Impressions	Students will learn how crime scene investigators use tire impressions as evidence from crime scenes and perform their own tire impression experiment with toy cars.
Five: Handwriting	Students will learn the techniques used in handwriting analysis and perform their own handwriting analysis experiment.
Six: Teeth Impressions	Students will learn how forensic dentists use teeth and teeth impressions to assist in crime solving and perform their own dental impression experiment.

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