

DETECTIVE SCIENCE

Help crack a case. Inspect fingerprints, mystery powders, ink samples, and teeth impressions. Create a composite from memory. Use the Personal Profile to build an identity kit.

SUMMARY:

Children use science to crack a case! The crime happens just before the Bustertown bakeoff. Mr. Baker's big, fat, chewy, chocolate chip cookie is sabotaged and his recipe is stolen. The case kicks off with a crime scene investigation. The children examine fingerprints, mystery powders, ink samples, and teeth impressions. They also practice their memory skills to create a composite! Analyzing all the evidence is what helps pinpoint the perpetrator. The children take home a Personal Profile kit. They can use it to record their own fingerprints and other important information.

EDUCATIONAL VALUE:

Children are introduced to the science techniques used to investigate and analyze crime scene evidence. The children begin their training by observing a fictional crime scene. Their inquiry continues with a mystery powder analysis, fingerprint examination, ink separation investigation, and teeth impression match-up. They create a composite of a perpetrator from memory and then analyze all the evidence to determine which suspect committed the crime. They take home a kit to record their own vital information.

TAKE-HOME MESSAGE:

- 1 Detectives make observations and ask questions.
- 2 Forensic scientists test evidence.
- 3 We all have unique fingerprints and teeth marks.

TAKE-HOME PRODUCT:

Personal Profile

NORTH CAROLINA ESSENTIAL STANDARDS:

- K.P.1.1 Compare the relative position of various objects observed in the classroom and outside using position words such as: in front of, behind, between, on top of, under, above, below and beside.
- K.E.1.1 Infer that change is something that happens to many things in the environment based on observations made using one or more of their senses.
- 5.P.2.3 Summarize properties of original materials, and the new material(s) formed, to demonstrate that a change has occurred.

