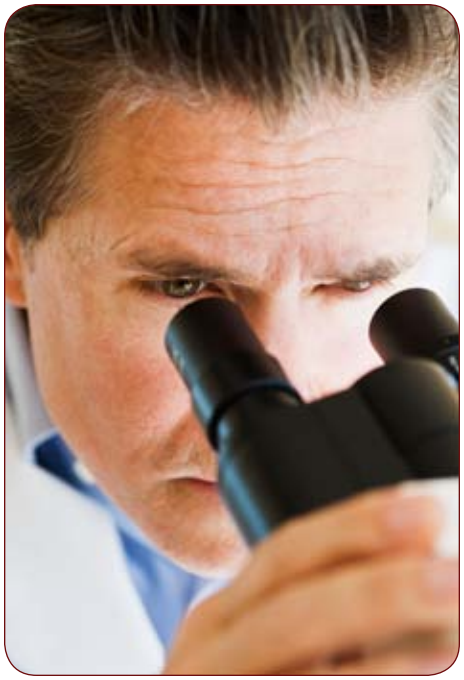
Forensic Science HS1040

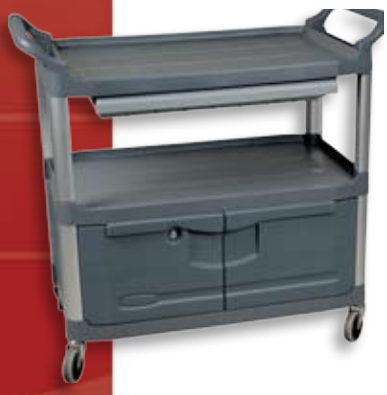
In the *Forensic Science CPU*, students complete in-depth explorations of forensic science and many of its sub-fields, including forensic medicine, odontology, pathology, chemistry, and toxicology.

Students discover the usefulness of DNA evidence and electrophoresis through an easy to understand simulation. Students are also exposed to common forensic laboratory procedures, such as blood type determination, blood type matching, drug identification, and urinalysis. Although students practice proper safety precautions during the procedures, these experiments use harmless simulated chemicals to protect students while giving them a real-world, hands-on experience.



Areas Covered

- Career opportunities in the field of forensics
- The history of forensic science
- Body systems
- Pathology slides studied under a microscope
- Blood types
- The building blocks of DNA and electrophoresis
- Cause, mechanism, and manner of death
- The various fields of forensic science
- Case studies of forensic science
- Common forensic procedures, including:
  - Autopsy
  - Dental ID and bite marks
  - Identifying drugs and poisons
  - Determining time of death
- Skills and knowledge to aid students in various HOSA competitions



Career Pathway Unit Includes:

Forensic Science CD with a Digital Instructor's Overview Booklet, Clues in Crime CD, DNA Fingerprinting Simulation Gel, Drug Bust! Kit, Forensic Investigation Blood Typing Kit, Forensics CD, Skills Cart™, Medical Dictionary, Microscope, Pathology Slides with Booklet, World of the Microscope Textbook