Unit 9 - A variety of scientists answer questions

Content Area: **Science**
Course(s): **Forensic Science**
Time Period: **May**
Length: **6 Blocks**
Status: **Published**

Enduring Understandings

Many scientists work together to solve crimes.
Forensic science work takes place in the field, the laboratory, and the courtroom.

Essential Questions

What types of scientists work in the field of forensic science?
Where do forensic scientists work?

Content

Vocabulary:
Criminalistics
Forensic Engineering
Forensic Odontology
Forensic Pathology
Forensic Anthropology
Forensic Psychology
Forensic Psychiatry
Document Examiners
Forensic Toxicology

Skills

Utilize various resources to examine licensing, certification, and credentialing requirements at the local, state, and national levels to maintain compliance with industry requirements in areas of career interest
Interpret how changing economic and societal needs influence employment trends and future education.
Determine job entrance criteria (e.g., education credentials, math/writing/reading comprehension tests, drug tests) used by employers in various industry sectors.

Resources

- Teacher's Wraparound Edition for Forensic Science: An Introduction, 2nd Edition

  Richard Saferstein, Forensic Science Consultant ©2011 |Prentice Hall

- Instructor's Manual with Lesson Plans for Forensic Science: An Introduction, 2nd Edition

  Richard Saferstein, Forensic Science Consultant ©2011 |Prentice Hall

- Basic Laboratory Exercises for Forensic Science: An Introduction, 2nd Edition

  Richard Saferstein, Forensic Science Consultant ©2011 |Prentice Hall

- Forensic Science Experiments (Facts on File Science Experiments) Hardcover – October 1, 2009

  by Pamela Walker (Author), Elaine Wood (Author)

- Forensic Science Experiments on File (Facts on File Science Library) Ring-bound

- Crime Scene Investigations: Real-Life Science Labs For Grades 6-12

  by Pam Walker, Elaine Wood, Christopher Stone (Illustrator)

Assessments

Project: Personal
Career Project Students will CHOOSE a forensic science career to research. They will examine licensing, certification, and credentialing requirements at the local, state, and national levels.

Standards

SEP.1	Asking Questions and Defining Problems
CCC.2	Cause and effect: Mechanism and explanation.
SEP.8	Obtaining, Evaluating, and Communicating Information
SEP.8.a	Critically read scientific literature adapted for classroom use to determine the central ideas or conclusions and/or to obtain scientific and/or technical information to summarize complex evidence, concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.
SEP.8.b	Compare, integrate and evaluate sources of information presented in different media or formats (e.g., visually, quantitatively) as well as in words in order to address a scientific question or solve a problem.
SEP.8.c	Gather, read, and evaluate scientific and/or technical information from multiple authoritative sources, assessing the evidence and usefulness of each source.

SCI.9-12.2.3	Systems can be designed to cause a desired effect.
CAEP.9.2.12.C	Career Preparation
CAEP.9.2.12.C.1	Review career goals and determine steps necessary for attainment.