



GRADE 12

Forensics

Yukon - Department of Education

This course focuses on the analysis of crime scene evidence and the forensic testing that takes place within the crime laboratory setting. Students will learn about some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will also be examined.

Credits: 4

Approval Date: Mar 2022

Hours: 120

Trax Code: YPSS

GOALS AND RATIONALE

Students will examine some of the forensic science laboratory techniques for identifying and testing drug evidence, toxins, and document forgeries; will discover how knowledge of bones, teeth, and insect life cycles and habits assist in solving crimes; will investigate how paint, soil, and trace evidence is collected and analyzed. Furthermore, newer trends in forensic science, including the investigation of digital crime, will be explored.

BIG IDEAS

Forensic scientists help preserve and accurately process crime scene evidence. Forensics requires knowledge of principles of biology, chemistry, and physics, as well as digital technology sciences. Methods and techniques for collecting and processing evidence are specific to forensic science.

ADDITIONAL INFORMATION

No.