
YEAR 10 SUBJECTS

Forensic Science

This course is intended for those students who have an interest in solving scientific problems requiring deduction, or 'detective work'. Topics include: psychological processing of evidence in the topics of eyewitness testimony and criminal profiling, forensic analytical techniques such as microscopy, blood splatter analysis, DNA analysis, fingerprinting, handwriting analysis, hair and fibre analysis; how to conduct autopsies and their importance in Forensic Science; collecting, sorting and analysing criminal evidence. You will be able to work both collaboratively as a team and independently as required. It is highly recommended that students undertaking this course have access to a notebook computer.

Generic skills that are considered across all the subjects in the Science faculty include:

- Application and analysis of theory to practical situations
- Evaluation of ethical implications of scientific research and theory
- Use equipment, materials and instruments responsibly and safely
- Present experimental results appropriately; correct use of the selected report writing format
- Apply techniques to locate more precise information from websites, including searching general and specialised directories; use of selected software and hardware to enhance and support the application of content

Subject specific skills are:

- You will be exposed to a variety of forensic analytical techniques such as fingerprinting, fibre analysis, blood analysis, chemical analysis, and criminal profiling physical analysis
- You will research the science relevant to the forensic analytical techniques investigated
- You will use learning technologies to assist with analysis
- You will use computer mediated communication as a research tool
- You will develop research and communication skills via independent and collaborative activity
- You will develop problem solving strategies to assist in solving case studies