



Forensic Science

Description

To study how science is used to support legal processes in forensic science. To understand how DNA carries the genetic code for our personal development and explore the increasing impact of modern developments in genetic engineering. In this context students will increase their general scientific knowledge and develop their laboratory skills and investigatory skills.

Unit Topics

- *Laboratory exercises using the techniques of forensic science such as fingerprinting, detection of forgeries by analysing inks, ballistics, DNA fingerprinting, plaster casts, soil analysis and microscopy.*
- *Applications of science in solving actual crimes*
- *Patterns of genetic inheritance*
- *Humans, animals and plants*
- *DNA, the genetic code and genetic*

Skill Development

Science inquiry skills such as questioning, predicting, planing, conducting, recording, analysing, evaluating and communicating.

Possible Assessment Tasks

Practical investigation, presentation, research tasks and assignments.

Activities/Camps/Excursions

Practical investigations.

Career Options

Forensic science develops skills that directly related to the following jobs: analytical chemist, biomedical scientist, detective, document examiner, odontologist, forensic scientist, scientific laboratory technician, teaching laboratory technician, toxicologist.