



## Course Information

# Science

## Science in Practice | SIP



### GTSIP

#### Unit 3 Forensic Science - CSI

These units enable students to identify science in their world and understand the importance of science in their lives within the context of forensic science and how it is applied in everyday life. These units use learning experiences from the science disciplines – Biology, Chemistry, Earth Science, Human Biology and Physics.

Students explore, investigate and model processes through practical activities and are encouraged to use information and communication technology to gather and interpret data, and communicate their findings in a variety of ways.





Students look at the techniques and technologies available for criminal investigations and crime scene analysis, including the use of fingerprinting, microscopic analysis of hairs and fibres and the analysis of blood and DNA evidence left at crime scenes.

#### Unit 4 Forensic Science - beyond CSI

Students look at how forensic science is used in crash investigations and forensic palaeontology.

Students will look at how forensic investigations can determine the causes of crashes or accidents involving cars, ships or planes. They will look at causes such as equipment failure and human error as well as how the results of investigations can lead to changes in safety regulations or technologies to improve safety.

Students will also look at how forensic techniques allow scientists to examine the forces that shape the Earth and to interpret the fossils that they find, as well as providing clues to the location of fossil fuel reserves.

 <p><b>Prerequisites</b> Minimum <b>C Grade</b> in <b>General Units 1 and 2</b> or equivalent</p>	 <p><b>Year of Study</b> Year 12</p>	 <p><b>Type of Assessment</b> 40% Science Inquiry 30% Extended Response 15% Test 15% Externally Set Task</p>	 <p><b>Costs</b> Unit Pair \$70</p>
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