

**Subject name** Science

**Subject code** SCI

**User pays fee** Students may attend touring presentations which may have a cost associated with them

**Course overview** Science provides a way of answering interesting and important questions about the biological, chemical, physical and technological world. A knowledge of Science has proved to be a reliable basis for action in our personal, social and economic lives. It is a dynamic, collaborative and creative human endeavour arising from our desire to make sense of our world through exploring the unknown, investigating universal mysteries, making predictions and solving problems. Science aims to understand a large number of observations in terms of a much smaller number of broad principles.

The Science curriculum aims to ensure that students develop:

- an understanding of the biological, chemical, physical and technological world
- scientific inquiry skills
- communication skills
- problem solving skills
- an understanding of historical, cultural, and modern science issues

**Course outline**

Area	Year 7	Year 8
<b>Biology including Agricultural Science</b>	Classification Ecosystems	Cells, systems and reproduction
<b>Chemistry</b>	Properties of substances Mixtures Physical and chemical reactions	Atoms, elements, compounds and reactions
<b>Physics</b>	Forces	Energy
<b>Earth Sciences</b>	Space	Geology

**Assessment** Includes items such as data tests, student experiments, research investigations and examinations.

**Subject requirements** NIL

**Career opportunities** Many careers need science knowledge and skills: nursing, medicine, physiotherapy, veterinary science, engineering, pharmacy, geology, beauty therapy, chiropractic, hospitality, electrical services and wildlife management to name just a few.