Year 8 Science

Subject Code: SCI

HEAD OF DEPARTMENT: Allison Sneddon

SUBJECT OUTLINE:
The Science curriculum in Year 8 is taken from the Australian Curriculum in Science.

Science explores ways of answering interesting and important questions about the biological, physical and technological world. The study of science arises from our desire to make sense of our world through exploring the unknown, investigating universal mysteries, making predictions and solving problems. Science knowledge is revised, refined and extended as new evidence arises.

Science has three interrelated strands:

Science Understanding, Science as a Human Endeavour and Science Inquiry Skills.

Units of study in Year 8 include:
- Particle theory
- Chemistry of common substances
- Geology
- Energy – transfers, transformations and efficiency
- Cell Theory
- Reproduction and survival (incl. diseases and immune system)

ASSESSMENT OUTLINE:
The course is assessed by exams, research tasks, experimental reports, practical tests and presentations. Students will demonstrate evidence of their learning against criteria in:

- Knowledge and Understanding and
- Investigating skills.

CAREER PATHWAYS:
The Junior Science course leads to the following Senior Pathways Chemistry, Biology, Physics, Science 21, Marine and Aquatic Practices

STUDENT REQUIREMENTS/PREREQUISITES:
Due to safety regulations, students who study science are expected to wear satisfactory footwear. Department of Education regulations do not allow students to be in science rooms unless they are wearing shoes with impervious uppers. Thongs and sandals are unacceptable.

For safety reasons, students may be banned from performing laboratory activities if the student’s behaviour places them or other students at risk of injury. This ban is at the discretion of the class teacher and/or the Head of Department.