HEAD OF DEPARTMENT: Mrs Karyn Wastie

Subject Outline:
*Science in Practice* is a hands on approach to becoming scientifically literate in today’s world. It aims to continue to develop the knowledge and understandings of the way the world around them operates when viewed scientifically. Students will learn to critically evaluate the information available when exploring a range of relevant and contemporary scientific disciplines.

Contributes to OP: NO
Students will receive a Level of Achievement for Science in Practice on the Senior Statement and successful completion will contribute 4 points to the QCE. The subject does not contain nationally recognised units of competency.

Assessment Outline:
The three criteria used are: Knowing and Understanding, Investigating, Connecting and Concluding. Students will be expected to complete homework and set tasks in their own time. The assessment may come in the form of supervised exams, assignments, portfolios and practical projects. Over the two-year course students will study:

- Water Quality in the local area
- The Brain as a Thinking Tool
- Science of Toys
- Food Science
- Forensics
- Careers in Science
- Robotics
- Drugs in Today’s Society

Career Pathways:
Students who successfully complete the course of study will be well equipped to negotiate the uncertain world of scientific claims and research as they will have developed a level of scientific literacy that adequately assists them to make sense of these claims. This ability will support them throughout all aspects of life to make sensible and evaluated decisions for themselves, and those around them.

Potential Activities:
Students will learn a range of basic scientific skills such as data gathering, experiment design, result analysis and data presentation. They will develop the ability to review scientific information critically to gain competence in being considered scientifically literate – that is, able to understand how the world around them functions on a practical level as well as evaluate the reliability and relevance of the masses of scientific data and claims that the general public are exposed to on a daily basis.

Costs:
The Text hire Scheme provides all the resources for the course. The students are expected to attend compulsory excursions, connected directly to assessment tasks each term which cost approximately $20 each.

Student Requirements:
Students must obtain at least a D in Year 10 science, core maths and English.

Vocational Relevance:
Students will be able to engage in a range of employment opportunities with the laboratory, scientific and communication skills developed during this course.