Subject name **Science in Practice**

Subject code TSP (VET)

Additional Subject fee Nil

Prerequisites Nil

Course Overview
Science in Practice is practical, with experiments and hands-on investigations at its heart. Practical activities engage students, producing excitement and curiosity. Investigations develop a deeper understanding of the nature of science and of a particular topic or context. They foster problem-solving skills that are transferable to new situations.

Studying this subject will enable students to:

- develop the skills and processes necessary to apply knowledge leading to the Certificate ll Science (Sampling and Measurement) course.
- experience learning opportunities and experiences in selected aspects of Science at a greater depth and breadth than those available in the Core Junior Science course
- experience some aspects of a science course that relate directly to subjects in the Senior school, in order to assist students to make appropriate subject choices for Year 11 and 12.

Course Outline
The topics covered in the program will be different from those covered in the Core Year 10 Science course (which all students study).

Topics will be selected for study on the basis of the following criteria:

- Student's core requirements and interest
- Relevance to Year 11 and 12 – Certificate II Sampling and Measurement.

Learning experiences within modules of work are interdisciplinary.

Topics typically under consideration include:

- Consumer Science
- Forensics
- Food Science
- Environmental Studies

Assessment
The majority of Assessment will be completed in class time. Assessment related to practical investigations will be particularly emphasised. Assessment is aligned to VET standards:

C = Competency achieved, D = Working towards competency, E = Competency not achieved.

Career Opportunities
Science in Practice is inclusive and caters for a wide range of students with a variety of backgrounds, interests and career aspirations. It can establish a basis for further education and employment in many fields, such as animal welfare, food technology, forensics, health and medicine, the pharmaceutical industry, recreation and tourism, research, and the resources sector

Note:
This option is appropriate for students seeking work-related scientific skills. Science in Practice does not prepare students for entry to university.