

4.

Career Opportunities

Investigating Science encourages the development of a range of capabilities and capacities that enhance a student's ability to participate in all aspects of community life and within a fast-changing technological landscape.

The knowledge, understanding and skills gained from this course are intended to support students' ongoing engagement with science, and to form the foundation for further studies and participation in current and emerging STEM-related post-school activities and industries.



Investigating Science

YEAR 11 & YEAR 12 COURSES



1.

Why do Investigating Science?

Investigating Science is firmly focused on developing the working scientifically skills, as they provide a foundation for students to value investigation, solve problems, develop and communicate evidence-based arguments and make informed decisions.

The Investigating Science course is designed to complement the study of the science disciplines by providing additional opportunities for students to investigate and develop an understanding of scientific concepts, their current and future uses, and their impacts on science and society. The course draws on and promotes interdisciplinary science, by allowing students to investigate a wide range of STEM (Science, Technology, Engineering and Mathematics) related issues and concepts in depth.

2.

Course Description (structure/delivery)

YEAR 11 COURSE:

- Cause and Effect - Observing
- Cause and Effect – Inferences and Generalisations
- Scientific Models
- Theories and Laws.

YEAR 12 COURSE:

- Scientific Investigations
- Technologies
- Fact or Fallacy?
- Science and Society.

3.

DEPTH STUDIES

In addition to the course content, students will complete at least one Depth Study each year.

A Depth Study is any type of investigation/ activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus. It may be one investigation/ activity or a series of investigations/ activities.

Depth Studies provide an excellent opportunity for students to investigate a topic of interest or significance to themselves or their community as part of their Year 11 and 12 studies.

