

Why study Investigating Science?

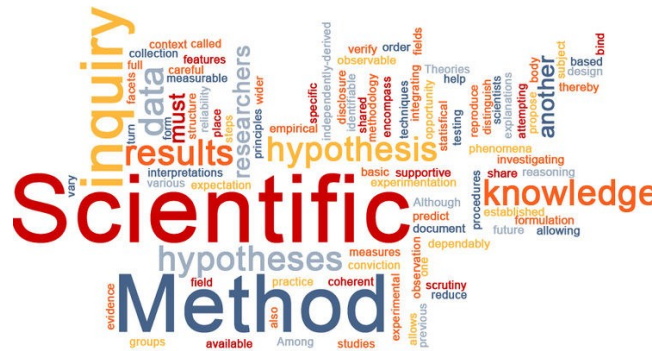
The course is focused on developing the Working Scientifically skills by promoting active inquiry and exploring key concepts, models and phenomena.

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.

Careers in Investigating Science

Occupations where a study of Investigating Science would be useful are endless, but could include: -

| | |
|-------------------|--------------------|
| Ambulance Officer | Ag Scientist |
| Botanist | Dental Assistant |
| Dietician | Ecologist |
| Enrolled Nurse | Electrician |
| Entomologist | Horticulturist |
| Journalist | Landscape Gardener |
| Lab Assistant | PlumberTeacher |
| Police Officer | Scientist |
| Sound Engineer | |



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MELVILLE HIGH SCHOOL
SCIENCE FACULTY



INVESTIGATING SCIENCE

The study of **Investigating Science** in Stage 6 will assist students of all abilities engage with scientific processes and investigate relevant personal, community and global scientific issues.

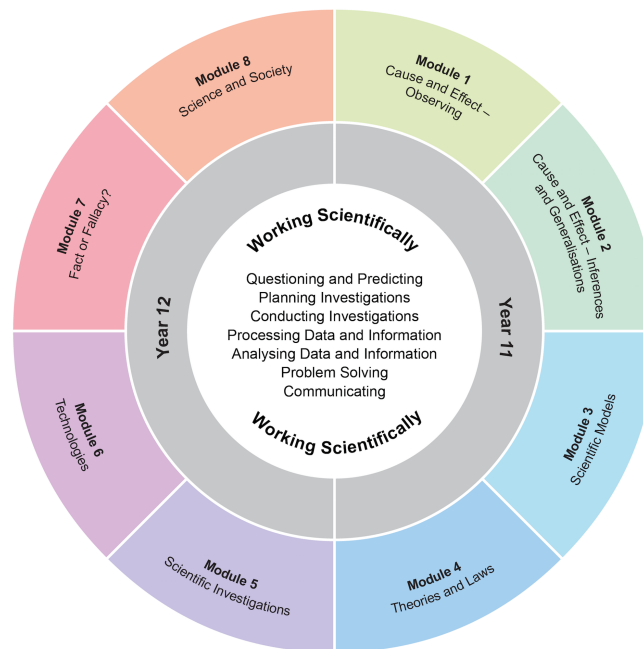
The course develops scientific skills through a wide range of STEM related issues and concepts.

Year 11 Course Topics

- Module 1
Cause and Effect - Observing
- Module 2
Cause and Effect - Inferences and generalisations
- Module 3
Scientific Models
- Module 4
Theories and Laws

Year 12 Course Topics

- Module 5
Scientific Investigations
- Module 6
Technologies
- Module 7
Fact or Fallacy?
- Module 8
Science and Society

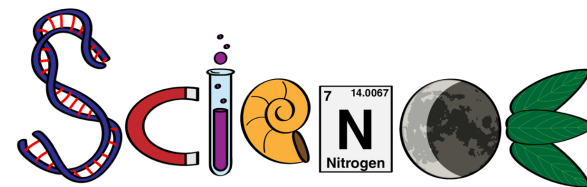


- ⇒ A **Depth Study** must also be completed in **both** Year 11 and Year 12.
- ⇒ This is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus.
- ⇒ Depth studies provide opportunities for students to pursue their interests in Investigating Science, acquire a greater depth of understanding, and take responsibility for their own learning.

Course Specific details

To support learning in Investigating Science, some experiences which may be offered in the study of this course include: -

- ◇ University days
- ◇ Industry Visits
- ◇ Industry Guest Speakers



Further information about the course content and outcomes can be obtained from the website below.
<http://syllabus.nesa.nsw.edu.au/investigating-science-stage6>