

Why study Biology?

Biology students develop an understanding of the interactions within and between organisms and between organisms and their environment.

The study of Biology recognises that while humans are a part of nature, they continue to have a greater influence on the environment than any other species. As an integral part of study this course, it assists students to recognize their responsibility to conserve, protect, maintain and improve the quality of all environments for future generations.

The study of biology involves students working individually and with others in practical, field and interactive activities that are related to the theoretical concepts in this course.



Careers in Biology

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

Ambulance Officer	Health Inspector
Lab Technician	Ag Scientist
Agronomist	Anthropologist
Arboriculturist	Biochemist
Biophysicist	Botanist
Chiropodist	Chiropractor
Dental Therapist	Dentist
Dietician	Ecologist
Entomologist	Doctor
Food Technologist	Geneticist
Horticulturist	Marine Scientist
Microbiologist	Nurse
Obstetrician	Oceanographer
Optician	Occupational Therapist
Pathologist	PDHPE Teacher
Physiotherapist	Radiographer
Science Teacher	Speech Therapist
Student Counsellor	Surgeon
Teacher	Veterinary
Viticulturist	Zoologist



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MELVILLE HIGH SCHOOL
SCIENCE FACULTY



BIOLOGY

The study of **Biology** in Stage 6 enables students to develop an appreciation and understanding of biological concepts that are used to explore the diversity of life, from a molecular to a biological systems level, and the interactions between living things and the environments in which they live.

Year 11 Course Topics

- Module 1
Cells as the Basis of Life
- Module 2
Organisation of Living Things
- Module 3
Biological Diversity
- Module 4
Ecosystem Dynamics



Year 12 Course Topics

- Module 5
Heredity
- Module 6
Genetic Change
- Module 7
Infectious Disease
- Module 8
Non-infectious Disease and Disorders

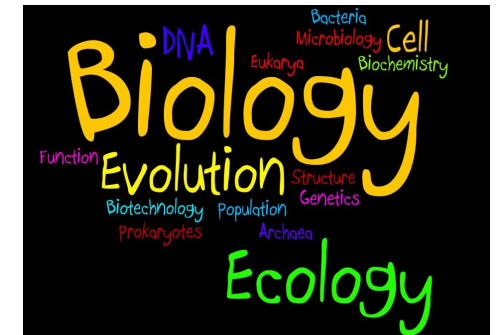


- ⇒ A **Depth Study** must also be completed in **both** Year 11 and Year 12.
- ⇒ This is any type of investigation/activity that a student completes individually or collaboratively that allows the further development of one or more concepts found within or inspired by the syllabus.
- ⇒ Depth studies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

Course Specific details

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

- ◇ Visiting Crescent Head Beach
- ◇ Rainforest ecosystem study
- ◇ Field study at Sea Acres
- ◇ Animal Studies at Taronga Zoo
- ◇ Museum of Human Disease at UNSW



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