

# BIOLOGY

Biology enables students to form deeper understanding about the diversity of life, from DNA through to ecosystems. Students use scientific approaches to explore the interconnectedness of biological systems and innovations to solve health and environmental challenges faced by society.

PREREQUISITES: ONE SEMESTER OF A STAGE 1 SCIENCE SUBJECT FOR STAGE 2 OR A GRADE YEAR 10 SCIENCE FOR STAGE 1

## WHAT WILL YOU LEARN?

01. Produce written practical reports and analyse data from investigations.
02. Explore the possible outcomes of gene modification and the ethical implications and consequences.
03. Examine how biotechnology has allowed advances in the treatment of disease and monitoring human health.

### Transferable Skills

- Using a range of communication formats to express ideas logically and fluently
- Analysing facts and data and testing assumptions
- Developing creative, innovative and/or practical solutions
- Collaborating and contributing to team results
- Working ethically

### Assessment

|          |   |
|----------|---|
| Stage I  | 50% Investigations Folio<br>50% Skills and Applications Tasks                       |
| Stage II | 30% Investigations Folio, 40% Skills and Applications Tasks, 30% External Component |



### VOCATIONAL PATHWAYS

- Certificate II Agriculture
- Certificate III Dental Assisting
- Diploma of Conservation and Land Management



### TERTIARY PATHWAYS

- Bachelor of Education (Secondary) / Bachelor of Science
- Bachelor of Science (Forensic and Analytical Science)
- Bachelor of Science (Biotechnology)



### CAREERS

- Winery Worker
- Laboratory Technician
- Nurse- enrolled/registered
- Geneticist
- Medical Scientist



SACE STAGE 1 SEMESTER TWO



SACE STAGE 2 | 20 CREDITS FULL YEAR



ATAR SUBJECT