



Applied Environmental Science 2027



If you have a passion for the environment, producing fresh fruit and vegetables and making the world a better place, then Applied Environmental Science is for you. Students in this program are involved in running the school's garden, learning about the environment and looking at ways we can better manage our food waste. The Seaton High School Applied Environmental SACE Package examines the local impact of climate change and the solutions through green industries, biodiversity, community gardening and waste management.

This program is open to Year 10 and 11 students at Seaton High School in 2027. By engaging in this program students will gain vital industry insight from community and industry collaborators. Students will complete Stage 1 Cross Disciplinary Studies (20 credits). Students also engage in the following workshops:

- Composting and Pruning
- Waste Management
- Hydroponic System & Water Analysis

Students explore and investigate real world problems and issues related to ecosystem function and services. Students develop skills in the identification of environmental problems at local, regional and global scales and design and implement investigations that aim to provide evidence-based information to inform management and conservation efforts. Students complete fieldwork such as collecting soil and water samples, conducting biodiversity assessments and monitoring environmental changes. Students also participate in excursions to the Space Agency's 'Growing Plants in Space' exhibition.

This program will prepare students for a wide range of tertiary pathways in areas such as environmental science, resource management, conservation and earth sciences.



**SEATON
HIGH SCHOOL**
**ENTREPRENEURIAL
SPECIALIST SCHOOL**

Key Learning

- Environmental change
- Sustainable environmental/agricultural practices
- Human impact on waterways
- Experiences in natural environments (Bushwalking)

Industry Opportunities

- Work with Environmental Scientists
- Conservation Management
- Coast Care
- Agriculture