

# Earth and Environmental Science

(This **Australian Curriculum** subject incorporates the former course ('Environmental Action'))

**Level:** Stage 1

**Course length:** 1 semester or  
2 semesters

**Credit value:** 10 Credits  
20 Credits

## Advice to students

No background knowledge required. Students can study A or B or both. This course will provide introductory multi-disciplinary knowledge, skills and concepts, across Biology, Geology, Physics and Chemistry. There will be a high level of practical work including laboratory and field investigations. A major focus will be on group work and will include the organisation and participation in Marden Senior College's annual 'Our Patch' planting day at the nearby River Torrens, (A only).

## Course overview

### *Earth and Environmental Science A*

Topics will include 2–3 of the following:

- The Earth's Atmosphere
- The Importance of the Hydrosphere
- The Development of the Biosphere.

### *Earth and Environmental Science B*

Topics will include 2–3 of the following:

- The Composition of the Geosphere
- Processes in the Geosphere
- The Turbulent Earth.

## Assessment

There will be four assessment tasks in each semester, including one field investigation, one investigation with a focus on science as a human endeavour and two skills and applications task.

## Pathways

This subject will provide a a basic introduction to Biology, Geology, Chemistry and Physics. it provides ideal background for **Stage 2 Earth and Environmental Science**, an Australian Curriculum subject featuring an externally assessed Earth Systems Study (30%) instead of an external examination.