# Stage 2 Science and Technology

## Earth and Space: Soil and stone

### Outcomes

ST2-10ES-S

A student investigates regular changes caused by interactions between the Earth and the Sun, and changes to the Earth’s surface.

ST2-1WS-S

A student questions, plans and conducts scientific investigations, collects and summarises data and communicates using scientific representations.

### Inquiry questions

How do natural processes and human actions change the Earth’s surface over time?

Students:

* Investigate why the Earth’s surface changes over time as a result of natural processes and human activity, for example:
* characteristics of soils
* Identify that scientific knowledge helps people understand the effect of their actions, for example:
* investigate how erosion is caused by human activity, for example walking on bush trails
* investigate how erosion can be minimised, for example constructing boardwalks

### Excursion description

Students will rotate through three activities:

Investigate soil at two sites conducting a range of soil experiments.

Conduct further investigations of soil using microscopes. Classify a sample of rocks and stones using different criteria. Conduct an experiment to investigate the movement of water through soil.

Learn about the impacts of erosion on the landscape by participating in an erosion experiment. Observe examples of erosion at Longneck Lagoon EEC.