

# Field Study: Science of Sand

## Activity Outline

### Year 4 (Stage 2)

#### Aim

Beaches are made up of bits of materials washed onto the shore by waves. Most beaches are made of sand, but sand can be made up of many different things. From beach to beach what the sand look like depends on many things, including where it came from, what it is made of and how it made its way onto the beach. Every grain of sand has its own story and history. Each grain is a tiny world in itself!

In this activity, students will investigate the macroscopic world of sand, what it is made of and how it ends up on our beaches.

#### Key Understandings

- Develop geographical question to investigate
- Collect and record relevant geographical data and information
- Investigate the natural characteristics of Australia
- Investigate the importance of natural vegetation and natural resources of the environment

#### Key terms

geosphere, hydrosphere, atmosphere, and biosphere, water cycle, rock cycle, sedimentary rock, igneous rock, metamorphic rock, erosion

#### Geography Stage 2

GE2-1, ACHGK020, ACHGS027, ACHGK014, ACHGK015, ACHGK020, ACHGK021

#### Science and Technology Stage 2

ACSSU075, ACSHE051, ACSHE062

#### Key competencies

- Working scientifically
- Collecting, analysing and organising information
- Communicating ideas and information
- Using technology
- Working with others and in teams