



Science

Term 2 with Mrs Green

Earth & Space Sciences

J5 & J6

UP, DOWN & ALL AROUND

Observable changes occur in the sky and landscape (ACSSU019)

We live in a constantly changing world where the Sun rises and sets and the sky reflects many different hues over a day. Everything we know about the Landscape and our environment began by observing it. Through outdoor observations and photographic records, students will investigate the daily, weekly and seasonal changes in their local environment.

P4

WATER WORKS

Earth's resources are used in a variety of ways (ACSSU032)

Water is essential to life. As humans, we not only drink water, we also use it for cooking, hygiene, recreation and agriculture. Australia is a dry continent with an expanding population, and how we use water has become increasingly important. Through hands on observations students will develop an understanding of, and appreciation for, a precious natural resource. Through investigations, students will explore how water is used, where water comes from and how to use it responsibly.

P2,P3 & P10

I FEEL THE EARTH MOVE

Earth's rotation on its axis causes regular changes, including night and day (ACSSU048)

What causes night and day? What do you know about the sun, moon and Earth? Throughout this unit students will predict and investigate how shadows change throughout the day and why the moon appears to change shape. They will conduct research on how Earth moves and demonstrate Earth's rotation.

P5, P8 & P11

WE ARE ALL SPINNING IN CIRCLES

The earth is a part of a system of planets orbiting around a star (the sun) (ACSSU078)

What is our solar system and what features does it have? How big are the planets and do they all rotate around the sun? Throughout this unit student will explore the solar system and what is meant by terrestrial (or rocky) planet and Jovian (or gas) planet. They will demonstrate an understanding of our solar system and explain how scientists explore planets in our solar system.

P12 & P14

CREATORS & DESTROYERS

Sudden geological changes and extreme weather events can affect Earth's surface (ACSSU096)

The surface of our Earth is slowly moving and changing over time. On average, a volcanic eruption occurs somewhere on Earth each week. Volcanic eruptions are often seen as devastating events causing destruction, but they are also instrumental in creating new islands and adding to the continents while providing rich fertile soils and mineral deposits. Through hands-on investigations, students will explore the structure and formation of volcanoes. They will plan and conduct an investigation of the viscosity of magma and its relation to volcano shapes.

Researching a Scientific Discovery

The student describes situations where scientific knowledge from different science disciplines has been used to solve a real-world problem (WS7).

Students will research the history and societal benefit of a scientific discovery of their own choosing. They will create a research report detailing the scientific nature of the discovery, when it was made, who made it, how it benefited society, and if it led to further discoveries or inventions. Students will include images or diagrams where appropriate and a bibliography of the resources they used during their research.