



SCIENCE @ ST PIUS  
TERM  
EARTH AND SPACE SCIENCE

**PRE-PRIMARY**

This term, students will be studying the daily and seasonal changes in our environment and how these affect everyday life.

Some of the key questions that will be considered throughout the term will include:

- *What is the weather?*
- *How does the weather affect our daily lives?*
- *What are seasons?*
- *What is the weather like in each season?*
- *How do seasons affect our daily lives?*
- *How do seasonal changes affect plants and animals?*
- *How did traditional Aboriginal and Torres Strait Islanders use their knowledge of the weather and seasons in their everyday lives?*

**YEAR 1**

This term, students will be studying the observable changes that occur in the sky and landscape.

Some of the key questions that will be considered throughout the term will include:

- *What changes do we see in the sky and on the landscape during the day and night?*
- *What changes do we see in the night sky and the day sky?*
- *Do the stars and moon only appear in the night sky?*
- *What other changes do we see in the sky?*
- *How does the weather affect the appearance of the land?*
- *What are natural, managed and constructed features in a landscape?*
- *How do natural, managed and constructed features change?*

## **YEAR 2**

**This term, students will be studying how the Earth's resources are used in a variety of ways.**

**Some of the key questions that will be considered throughout the term will include:**

- *What are Earth's resources?*
- *Where do the resources come from and how do we use them?*
- *What natural resources do we use for our food?*
- *How do different foods get from a farm to our fork?*
- *What do we use water for?*
- *How does water get from a source to a house?*
- *How does water get removed from a house?*
- *What do we use the Earth's minerals for and where are they found?*
- *How do minerals get from a source to a factory and what happens to them at the factory?*
- *How did Aboriginal and Torres Strait Islander people use the Earth's resources?*
- *How did they ensure there was enough resources for future generations?*
- *How can we use the Earth's resources wisely and how can we reduce, reuse and recycle our waste?*

## **YEAR 3**

**This term, students will be studying how the Earth's rotation on its axis causes regular changes, including night and day.**

**Some of the key questions that will be considered throughout the term will include:**

- *What do you know about day and night?*
- *What do you know about the sun, moon and Earth?*
- *What causes shadows and how do they change throughout the day?*
- *Why does the sun appear to move across the sky?*
- *What causes day and night?*
- *What sizes are the sun, moon and Earth?*
- *How far away from Earth are the sun and moon?*
- *What does revolution mean?*
- *What is the relationship between the sun, moon and Earth?*
- *What impact does this have on our daily lives?*
- *Why does the shape of the moon keep changing?*

## **YEAR 4**

This term, students will be studying how the Earth's surface changes over time because of natural processes and human activity.

Some of the key questions that will be considered throughout the term will include:

- *How does a geologist use rocks and fossils to understand how the Earth's surface has changed over time?*
- *What is in the soil?*
- *Is soil the same everywhere?*
- *What is weathering? How does weathering make soil?*
- *What is erosion?*
- *How is it different to weathering?*
- *How does extreme weather change Earth's coastlines?*
- *How can storm erosion be slowed down?*
- *How does human activity contribute to erosion? How can humans help reduce erosion?*

## **YEAR 5**

This term, students will be studying how the Earth is a part of a system of planets orbiting around a star.

Some of the key questions that will be considered throughout the term will include:

- *What is our solar system and what features does it have?*
- *How big are the planets in our solar system and how far apart are they?*
- *Do all planets rotate and revolve around the sun at the same speed?*
- *What are Terrestrial Planets?*
- *What are Jovian Planets?*
- *How do scientists explore the planets in our solar system?*

## **YEAR 6**

This term, students will be studying sudden geological changes and extreme weather events that affect the Earth's surface.

Some of the key questions that will be considered throughout the term will include:

- *What are extreme weather events and sudden geological changes?*
- *Are extreme weather events the same as natural disasters?*
- *What are volcanoes and how do they change the Earth's surface?*
- *Is it important for people in Australia to be prepared for a volcanic eruption?*
- *What are earthquakes and how do they change the Earth's surface?*
- *Is it important for people in Australia to be prepared for an Earthquake?*
- *What are tsunamis and how do they form?*
- *Does the magnitude of an earthquake affect the size of the tsunami?*
- *What are cyclones and how do they change the Earth's surface?*
- *How do scientists monitor cyclones to minimise the effects of this natural disaster?*
- *What is a drought and how does it affect the landscape?*
- *How does flash flooding occur after a drought?*