

Space Explorers

Explaining the Theme

The big idea

We know that when we look up at our sky we will see the Sun, the Moon and the stars.

We take them for granted. But why are they there? What do they do? How do they affect the Earth? Astronomy, like all sciences, is about asking questions. By becoming *space explorers*, we can find out more about our solar system and the deeper mysteries of the universe.

In Science, we'll be:

- Making a pinhole viewer to record the size of the Sun and the Moon
- Comparing the size of the planets and their distance from the Sun
- Finding out about the movements of the Earth, Sun and Moon and how they affect us
- Classifying rocks and comparing rocks on Earth with those on the Moon
- Finding out about how craters are formed and the forces that are involved
- Finding out about how light travels
- Creating a timeline to show the life cycle of a star
- Finding out more about the planets in our solar system

In History, we'll be:

- Finding out about what people in the past used to think about the Earth, Sun and Moon
- Finding out about Galileo and his findings about the Earth, Sun and Moon
- Finding out about the constellations and the stories that they tell
- Making a timeline to show some of the important events in the history of astronomy and space

In Art, we'll be:

- Finding out about nebulae and how we can capture their shape, colour and patterns in art
- Finding out about satellites and how we can create our own satellite images

In Technology, we'll be:

- Finding out about the technology that is being used to explore Mars
- Designing and making our own vehicle to explore a planet's surface

In International, we'll be:

- Finding out about the International Space Station (ISS)
- Creating our own Voyager golden record to send into space