

Central Idea

This statement ties the learning together to create connections and provide a context across pupils' knowledge.

Scientific and technological advances contribute to a deeper understanding of the Earth and its place in the solar system.

Words in blue do not link to the central idea.

Lines of Inquiry

These inquiries are the phases of learning that take place, supporting the children to develop their understanding of the central idea.

An inquiry into:

- 1) connections across the Solar System (connection)
- 2) human exploration of space (form).
- 3) the advantages and risks of space exploration (perspective).

Maths

Fractions:

- Multiplying fractions
- Calculating fractions of amounts

Decimals and percentages:

- Numbers up to 3 decimal places
- Decimal and fraction equivalence
- Understanding percentages

PSPE

PSHE:

Money & work: Identifying job interests and aspirations; what influences career choices;
Workplace stereotypes

PE: Gymnastics

Computing

Digital artefacts: Popplet

Coding: Create their own algorithms to control a Lego moonbase.

Science

Space and the Solar System

- Describe the movement of the Earth and other planets relative to the sun
- Describe the movement of the moon relative to the Earth
- Describe the sun, Earth and moon as approximately spherical bodies
- Use the idea of the Earth's rotation to explain day and night

Social Studies

History:

- Recognise how significant events (e.g. first moon landing) have been broadcast/shared in the past.

Geography:

- extend knowledge and understanding beyond the local area to include the United Kingdom and Europe, North and South America.
- Use scales to calculate distances.

RE: Places of worship

The Arts

Art: 3D drawing & oil pastels

- Study and appraise: Peter Thorpe
- Use drawing techniques such as hatching, stippling, tonal, smudging, cross-hatching and circling.
- Layer pastels

English

Texts: Phoenix by SF Said

Writing Outcomes:

Diary Entry
Instructions
Balanced Argument

YEAR 5 MODULE 3

Visit

- Your local library - head for the Space section, what can you find?
- Rochester Cathedral - Go to see Mars!

Websites

- Take a look at NASA's award winning website to fill your brain with space knowledge!
[NASA website](#)
- YouTube - find a times tables song to help you learn your target times tables.

Apps

Ed Shed
TTRS
Language Nut

Get Creative

- Create a paper-mache model of the Solar System!
- Make a junk-modelling moon buggy! Think about how you could get the wheels to turn.
- Create a song/rap/poem all about space. Please teach it to us!

Find Out

Look at images from Space, or watch a timelapse video such as this one: [You Tube](#) of how the Earth has changed over time. Come up with an action plan to help reduce climate change.

Look Out For

- News stories about Space - there are regularly space-related news stories on the BBC news website. For example: [BBC Weather Video - Space](#)

IT

- Create Slides based on your own research of the planets.
- Create your own website using Google Sites all about a space-themed topic.

In the Car

- practise your times tables
- say your spellings out loud or make up a spelling game
- read your book.
- listen to a great audio book.

Get Outdoors

- Wait for a clear night and do some star gazing! What star constellations can you spot? Can you see any planets? If you have a telescope or can borrow one, even better!

YEAR 5 MODULE 4

Home Learning Opportunities