

## Central Idea

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

# Scientific and technical advances help us understand the Earth and its place in the Solar System.

Words in blue do not link to the central idea.

## PSPE

### PSHE:

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

**PE:** Gymnastics

## 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

## English

**Texts:** Phoenix by SF Said

### Writing Outcomes:

Diary Entry  
Instructions  
Balanced Argument

## Maths

### Fractions:

- Multiplying fractions
- Calculating fractions of amounts

### Decimals and percentages:

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

## Computing

### Digital artefacts: Popplet

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

## 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

# YEAR 5 MODULE 3

## 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

## 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) the Solar System
- 2) human exploration of space.
- 3) the role of innovation and technological advances in space exploration.

## 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!

## Action

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