## **Year 5: Out of this world**



### **Hook Day**

- \*What is a solar system?
- \*Explore our solar system inside a planetarium
- \*Think about the size and arrangement of the Sun and planets within our Solar System and how big it is.



- Learn to identify and describe the difference between a planet, star and moon.
- Describe the phases and cycles of the Moon.
- Describe why we have day and night and seasons on Earth

## **Essential Learning**

#### By the end of this term, you will have learned...

- How to define and distinguish between a star, a planet and a moon (including their spherical shapes).
- What a **solar system** is, how our solar system is arranged, and how each part moves relative to the Sun.
- How the Moon moves around the Earth, the length of time it takes, and how this movement looks to us from Earth.
- Why we have day and night, and what is actually happening when the Sun seems to be moving across the sky.
- How our ideas about **space** have developed and changed over time, including what we have learnt following some key events and discoveries.
- How to test variables to identify whether they have an impact upon the results of an investigation.
- To observe and describe the effects of friction and gravity.
- To repeat tests to increase the accuracy of results and findings.

In order to write a successful **newspaper report** and **short story**, you will learn to use:

- relative pronouns and relative clauses to provide clarity and additional information.
- direct speech and indirect speech, with accurate punctuation
- paragraphs and adverbials to ensure the structure of my plot is clear and to mark a change of location, focus or time.

#### Block 2

Learn about man landing on the Moon in 1969

Write a newspaper report about landing on an invented planet

Carry out and record the findings of investigations into gravity and friction.



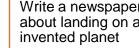
Write your own short story about an alien character's adventure arriving on planet Earth.

Block 3

- Focusing on writing speech correctly
- Using paragraphs and adverbials
- Describing the character
- Writing to entertain the reader.













# **Year 5: Ultimate Universe / National Curriculum Links**

#### Science

- describe the movement of the Earth and other planets relative to the Sun in the solar system
- 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 and the apparent movement of the sun across the sky
- take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations
- use relevant scientific language and illustrations to discuss, to talk about how scientific ideas have developed over time.
- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance and friction, that act between moving surfaces

# History

## [Cross-curricular with Science]

• use relevant scientific language and illustrations to discuss, to talk about how scientific ideas have developed over time.

DT / Art / Geography	Key vocabulary:
Not a focus during this topic.	Science:
	Specific terminology:
	Space, a star, a planet, a moon, a solar system, the Sun, the Earth, day, nigh 'phases of the moon', 'cycle of the moon', friction, gravity.
	General scientific terminology: discoveries, investigations, variables, tests, results, findings.

## **Writing genres**

### Newspaper report

- direct speech
- indirect speech
- relative clauses

#### Short stories

- speech (when and why to use it)
- speech punctuation
- character description
- adverbials
- paragraphing

# THE LET'S READ FIND OUT SEEMS TO CHANGE FRANKIVN M. DRINLEY ILLUSTRATED BY BARBARA AND ED EMBERLEY



