

Literacy

Reading Comprehension

Use a range of books, leaflets and websites to discover facts about our Solar System.

Read a range of Moon-inspired myths and legends.

Read and share examples of free-verse poetry, highlighting their likes and dislikes.

Read, explore and analyse newspaper reports of men landing on the Moon in 1969.

Read descriptions of the Vermicious Knids from Roald Dahl's *'Charlie and the Great Glass Elevator'*.

Narrative

Create a myth or legend based upon a real or imaginary phenomenon of the Moon.

Generate a free verse poem on the theme of gravity. Use this as the basis for creating a 'Gravity Rap'.

Use their imagination and examples from graphical images to create their own space alien. Develop a full character profile of their creation.

Non-fiction

Plan and write a newspaper article detailing the journey of Apollo XI and Neil Armstrong's first steps on the Moon.

Maths

Multiply and divide 4-digit numbers by 2- digit numbers.

Compare and order fractions whose denominators are multiples of the same number.

Recognise improper fractions and mixed numbers and convert from one to the other.

Read, write, order and compare numbers with up to 3 decimal places.

Add and subtract fractions whose denominators are multiples of the same number.

Read and write decimal numbers as fractions.

Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred'.

Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.

Art/DT

Design and make a rocket, satellite, rover or shuttle for a specific mission. Plan, design and illustrate an alien using appropriate media.



YEAR 5 – SPRING 1

French

Develop sentence structure in the context of describing the planets. Speak in sentences using familiar vocabulary and phrases.

RE

The values and morals of different religions, including Christianity. Do they differ from the non-religious Humanist view?

Computing

Explore programming by sequencing a series of instructions to negotiate a robot vehicle around a 'moon terrain'.

Use stop motion techniques to create a short film about an alien's adventures.

Music

Listen to popular songs about space (*'Rocket Man'* *'Space Oddity'*) and analyse the theme of the lyrics. Explore the music of street dance.

PSHE

Recognise and respond appropriately to a wider range of emotion and feelings in others. Develop skills to form and maintain a range of positive relationships. Respond respectfully to, and sometimes challenge, a wide range of views.

PE

Cool Core (Pilates): Identify and develop techniques to improve balance, core-strength and co-ordination.

Gymnastics: Learn and practise body management and floor exercise sequences. Vault with and without springboard.

Geography/History

Research Galileo Galilei and the contribution he made to astronomy. Uncover the story of Sir Isaac Newton and his understanding of the concept of gravity. Study the space race between the USA and the USSR in the 1960s. Use a range of aerial images of Earth to identify geographical features on the surface.

Science

Understand the scale and size of the Solar System and name and describe its 8 planets.

Explain day and night and the apparent movement of the sun across the sky.

Describe the Moon, its rotation around the Earth and why we see 'phases'.

Investigate gravity and the effect it has on weight and the speed at which an object falls. Find out what determines the force of gravity on planets.

Explore how craters are formed and why some planets have more than others.

Investigate the rate of cooling between 2 objects, of which only one is insulated.