

Moorside Community Primary Academy - Theme Overview

Year: 5 Term: Autumn 2

Theme: Earth & Space



Key Learning				
1	What do we already know about space?			
2	The movement of the Earth & sun.	Describe the movement of the Earth & other planets in relation to the sun. Understand the sun as a star at the centre of our solar system.		
3	The movement of the Earth & moon.	The movement of the moon relative to the Earth.		
4	What is a moon.	Understand that the moon is a celestial body that orbits the Earth & that other planets have their own moons.		
5	Day & night	Earths rotation and day & night. The movement of the sun across the sky.		
6	The 8 planets	Know about the 8 planets in the Earth's solar system.		
7	Changes in ideas	How have ideas about the Solar System developed? Copernicus & Galileo.		
8	The Space Race	What was it? Who was involved in it?		
9	The Moon Landings	What happened? Who was the first to land on the moon? Who were the crew?		
10	Space travel today	What type of space travel happens in 2021?		

Key People/Places/Facts				
1	The Solar System	Sun + 8 planets		
2	Galileo	Work on gravity helped to understand how the planets stayed in orbit		
3	Tim Peake	UK astronaut		
4	Commander Chris Hadfield	Commander of the International Space Station		
5	Neil Armstrong	First person to set foot on the moon		
6	Buzz Aldrin	Second person to set foot on the moon		
7	Michael Collins	Manned the capsule on the first moon landing		
8	Copernicus	New idea about the Heliocentric model		
9				
10				

	Big Questions					
1	Is there only life on Earth?					
2	Are we alone in space?					
3	Did the moon landing really happen?					
4	Is the Christmas Story true?					

Vocabulary				
	sun	star		
	moon	planet		
	Orbit/ orbiting	sphere		
	Spherical body	satellite		
	Solar System	Milky Way		
	gravity	axis		
	Rotates/ rotation/ rotating	Day/ night		
	Geocentric model	Heliocentric model		
	astronomer	Celestial body		

ENGLISH

Reading:

The Iron Man

Bug Club – The King in the Car Park

Writing Opportunities:

Postcard from a planet

Summary of a chapter

Hogarth's diary

Biography of Tim Peake

Grammar

Simple/ compound/ complex sentences Relative clauses/ relative pronouns Speech punctuation

Book/Author: The Iron Man by Ted Hughes

MATHS

Fractions – finding a common denominator.

Converting between improper & mixed number fractions.

Find a fraction of a quantity

Find a fraction of a shape

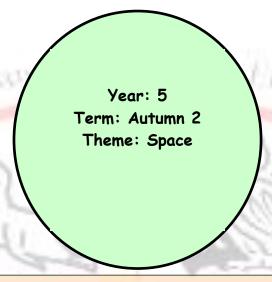
Divide fractions

Long multiplication

Dividing by 2 digit numbers

Shape – properties of triangles and quadrilaterals

Finding angles in a triangle



ART & DT

DT – design & make a stuffed toy – make a Christmas tree decoration using blanket stitch.

Design & make a pop-up Christmas card.

MUSIC

Use Charanga to explore Jazz. Use instruments to learn & play a simple tune.

Learn & perform Christmas songs as a choir.

<u>PE</u>

COMPUTING

Online safety – the language of online safety. Creating powerful passwords. Know about citations and searching for relevant information. Learn how to create a word document by being able to use the features of Word. Be able to manipulate text and save a document.

SCIENCE – the science of space.

Describe the movement of the Earth around the Sun. Describe the movement of the moon around the Earth. Describe the Earth & Moon as spherical bodies. Use the Earth's rotation to explain day & night. Understand that our Solar System is 8 planets with the Sun (a star) at its centre. Understand that a moon is a celestial body that orbits its planet. Find out how ideas about the Solar System have developed. Compare the time of day at different places on the Earth.

Vocabulary – see above.

RE - Christianity

Is the Christmas story true? Discuss how the same event can be interpreted differently by different people. Read the Christmas story & find out who was present at the birth of Jesus. Read different accounts of this & compare them. Could the story be true in a different way?

SEAL/PSHE

Celebrating Difference — explore diversity & learn about differences. Learn what constitutes bullying & how to resolve conflict through problem solving. Think about how everyone can be included & share & show kindness. Learn about positivity & the importance of giving & receiving rewards & praise.

LANGUAGES

French – my family – learn the French for my mother, father, brother, sister.