



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	Earth's 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

Year: 5
Term: Autumn 2
Theme: Space

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.

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.

PE

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.

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.

