



# 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	<b>The Solar System</b>	Sun + 8 planets
2	<b>Galileo</b>	Work on gravity helped to understand how the planets stayed in orbit
3	<b>Tim Peake</b>	UK astronaut
4	<b>Commander Chris Hadfield</b>	Commander of the International Space Station
5	<b>Neil Armstrong</b>	First person to set foot on the moon
6	<b>Buzz Aldrin</b>	Second person to set foot on the moon
7	<b>Michael Collins</b>	Manned the capsule on the first moon landing
8	<b>Copernicus</b>	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  
Spaceboy- David Walliams  
Bug Club – The King in the Car Park

### **Writing Opportunities:**

Summary of a chapter  
Hogarth's diary  
Biography of Tim Peake

### **Grammar:**

Simple/ compound/ complex sentences  
Relative clauses/ relative pronouns  
Fronted adverbials  
Speech punctuation/reported speech

**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**

Addition and subtraction- Inverse operations

- Multi-step problems
- Compare calculations
- Find missing numbers
- Addition and subtraction of decimals

Multiplication and division: -Find/identify multiples and common multiples

- Square/Cubed/Prime numbers
- Multiply by 10/100/1000
- Divide by 10/100/1000
- Multiples of 10/100/1000
- Long multiplication

Fractions: - Find fractions equivalent to a unit fraction  
-Find fractions equivalent to a non-unit fraction  
- Recognise equivalent fractions

## **ART & DT**

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

Design & make a pop-up Christmas card.

Design and make a pompom Christmas tree decoration.

## **MUSIC**

Use Charanga to explore Jazz.

Learn & perform Christmas songs as a choir.

## **PE**

Invasion games/strike and field- cricket

## **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.

