

Year: 5

Term: Autumn 2

Theme: Earth & Space



	Key Learning			Key Po	eople/Places/Facts	Vocabulary	
1	What do we already know about space?		1	The Solar System Galileo	Sun + 8 planets	sun	star
			2	Gailleo	Work on gravity helped to understand how the planets stayed in orbit		
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	Tim Peake	UK astronaut	moon	planet
			4	Commander Chris Hadfield	Commander of the International Space Station		
3	The movement of the Earth & moon.	The movement of the moon relative to the Earth.	5	Neil Armstrong	First person to set foot on the moon	Orbit/ orbiting	sphere
			6	Buzz Aldrin	Second person to set foot on the moon		spilere
4	What is a moon.	Understand that the moon is a celestial body that orbits the Earth & that other planets have their own moons.	7	Michael Collins	Manned the capsule on the first moon landing	Spherical body	satellite
			8	Copernicus	New idea about the Heliocentric model		Satellite
5	Day & night	Earths rotation and day & night. The movement of the sun across the sky.	9			Solar System	Milky Way
			10				
6	The 8 planets Know about the 8 planets in the Earth's solar system.						axis
		Larur s solar system.	Big Questions			gravity	dXIS
7	Changes in ideas	How have ideas about the Solar System developed? Copernicus & Galileo.	1	Is there only life on Ea	th?	Rotates/ rotation/ rotating	Day/ night
8	The Space Race	What was it? Who was involved in it?	2	Are we alone in space?		Geocentric model	Heliocentric model
9	The Moon Landings	What happened? Who was the first to land on the moon? Who were the crew?		Did the moon landing happen?	eally	astronomer	Celestial body
10	Space travel today	What type of space travel happens in 2021?	4	Is the Christmas Story	true?		

### <u>ENGLISH</u>

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

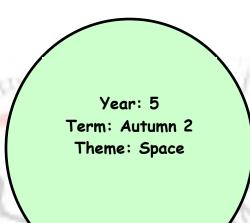
## Book/Author: The Iron Man by Ted Hughes

## 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
- 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.

### <u>SCIENCE – the science of space.</u>

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.

# <u>RE - Christianity</u>

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.