

## History/Geography

1	Russia	Where is it located? What is its physical geography?
2	Russia	Consider its status as a superpower. Look at the human geography and its status as a communist country. What is the same/ different when compared to the UK?
3	North America	Where is it located? What is its physical geography?
4	North America	Consider its status as a superpower. Look at the human geography and its capitalist ideals. What is the same/ different when compared to the UK?
5	The Space Race	What was it? Who was involved? Timeline of events.
6	A History of Space Travel	Space programmes – which countries involved. Modern day space programmes.
7	The Moon Landings	Who was involved? What happened? Conspiracy theory. 2 sessions.
8	What is it like to be an astronaut?	What do they do? What type of people are recruited? Case study – Chris Hadfield.
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10		

## Key People/Places/Facts

1	Tim Peake	UK astronaut
2	Galileo	Explored gravity and how the planets stay in the orbit
3	The solar system	The sun & 8 planets
4	Neil Armstrong	First person to step foot on the moon
5	Michael Collins	Manned the capsule on the first moon landing
6	Commander Chris Hadfield	Commander of the international space station
7	Russia and North America	Main countries involved in the Space Race
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## Big Questions

1	Is there life on other planets?	Is the Christmas story true?
2	Did the moon landing really happen?	
3	Why is it important to look after our planet?	
4	What is the true meaning of Christmas toy you?	

## Vocabulary

	Tier 2	Tier 3	
	Sphere hoax	Sun moon astronaut	
	rotate	Star/ planet/ UFO	
	atmosphere	Orbit/ orbiting	
	sundial	Solar system/ planets	
	Shadow clock	Satellite/ milky way	
	Gravity/ axis	Astronomer	
	Universe	Heliocentric model	
	recount	Geocentric model	
	telescope	Celestial body	

## ENGLISH

### Reading:

Read and discuss short stories.

Read and understand recounts, diary entries and eye witness accounts about UFO sightings.

Class Novel – *UFO Diary* by Satoshi Kitamura

Story for Pleasure – *The Underpants of Chaos* (FBA text).

### Writing Opportunities:

Use inference and prediction to write a prequel to a story.

Write a short story based on similar stories read.

Recount- build up to writing a first person account and newspaper report linked to a UFO sighting.

Write a diary entry about a UFO sighting.

### Grammar:

The chn will:

explore word classes

explore noun phrases

use fronted adverbials

use adverbials for cohesion and paragraphs

use the perfect form to indicate time or cause.

## Year:5 Term:Aut2 Theme: Earth & space

## SCIENCE – Earth and Space

Describe the movement of the Earth around the Sun and the movement of the moon around the Earth. Describe the Earth & Moon as spherical bodies and use the Earth's rotation to explain day & night. Understand that our Solar System is made up of eight 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.

### Vocabulary

Earth, sun, moon, planets stars, solar system, dwarf planet, Mercury, Venus, Neptune, Jupiter, Earth, Uranus, Mars, Saturn, spherical, celestial body, shadow lock, sundial, astronomer, universe, satellite, eclipse, heat.

## MATHS – Multiplication and Division

- Multiples/ common multiples/ Factors/ common factors
- Prime numbers/ square numbers/ Cube numbers
- Multiply by 10, 100 & 1000/ Divide by 10, 100 & 1000
- Multiples of 10, 100 & 1000

### Fractions

- Find fractions equivalent to a unit fraction/ none unit fraction
- Convert improper fractions to mixed numbers/ mixed numbers to improper fractions
- Compare and order fractions less than 1/ greater than one
- Add/ subtract fractions

## ART & DT- Art- Space imagery

Understand and explain what retrofuturism is. Participate in discussions and offer ideas. Evaluate images using simple responses, sometimes using formal elements to extend ideas. Provide plausible suggestions for how a piece was created. Comfortably use different stimuli to draw from. Select and place textures to create a collagraph plate, applying an understanding of the material, which may be supported by testing. Generate a clear composition idea for a final piece that shows how it will be drawn. Apply confident skills to make an effective collagraph print.

### MUSIC

Classroom Jazz- Listen and appraise,  
Three Note Bossa and 5 Note Swing

### PE

Striking & Fielding – cricket (WLSP)  
Invasion Games (WLSP)

## COMPUTING

Databases: children learn how to search a database; contribute to a class database; create a database.

Concept Maps – understand the uses of a concept map; create a concept map for a topic.

## RE- The Christmas Story Christianity

Is the Christmas story true? Evaluate different accounts of the Christmas Story and understand that stories can be interpreted in different ways. Read different versions and compare them.

### Jigsaw/PSHE

Celebrating Differences – children will consider different cultures, racism, name calling, types of bullying, does money matter, celebrating difference across the world.

### LANGUAGES

This half term the class will recap previous learning as well as learning the pronunciation of different emotions in French. We will then move on to the pronunciation of body parts.

