



## THEMATIC OVERVIEW

**Year Group: 5**

**Term and Duration: Spring 1**

**Theme: Spectacular Space**

**Hook In: Space Day**

**Celebration: Space**

### **ENGLISH OBJECTIVES**

#### **Writing**

All focus writing tasks will link to our Space theme. The children will produce a non-chronological report and a recount, with opportunity to develop their planning, drafting, editing and redrafting skills through this unit of work.

#### **Grammar**

- Parenthesis (commas, brackets and dashes)
- Brackets
- Relative Clauses
- Semi-colons
- Prepositions
- Commas for complex sentences
- Commas to clarify meaning

#### **Reading**

Reading - Our whole class text is 'Cosmic,' written by Cottrell Boyce. We are also using many other books and extracts from a variety of genres during Whole Class Reading in order that the children are exposed to lots of new authors and text types to improve their reading skills. The children will be taught to:

- Understand the meaning of new vocabulary in texts
- Predict what might happen from details stated and implied
- Draw inference such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence.
- Check that the book makes sense to them, discussing understanding and exploring the meaning of words in context.
- Summarise the main ideas drawn from more than one paragraph, identifying key details that support the main ideas.

#### **Spelling:**

- Words from personal spelling lists
- Rare GPCs
- Words ending '-ably' and '-ibly'
- Homophones
- Etymology and word webs
- Words from the Year 5/6 spelling list

### **MATHEMATICS OBJECTIVES**

#### **Number: Multiplication and Division**

- I can use a written method to multiply 4-digits by 1-digit.
- I can use a written method to multiply 2-digits by 2-digits.
- I can use a written method to multiply 3-digits by 2-digits.
- I can use a written method to multiply 4-digits by 2-digits.
- I can use a written method to divide 4-digits by 1-digits.
- I can use a written method to divide 4-digits by 1-digits, with remainders.
- I can apply this to solving problems related to multiplication and division.

#### **Number: Fractions**

- I can understand what a fraction is.
- I can explain equivalent fractions.
- I can convert between improper fractions and mixed numbers.
- I can compare and order fractions.
- I can add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.
- I can multiply simple pairs of proper fractions, writing the answer in its simplest form.
- I can multiply proper fractions by whole numbers.
- I can find fractions of an amount.

## SCIENCE OBJECTIVES

### Earth, Moon and Space

- I can explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
- I can identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- I can recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
- I can identify scientific evidence that has been used to support or refute ideas or arguments.
- I can plan a fair-test; identifying the control variables.

Computing Objectives	RE Objectives	Topic Objectives (Hist/Geog)
<p><u>Networks Unplugged</u> Understands that a computer is something with an input, processor, storage and output (relating to components of a computer, CPU, RAM, Hard Drive).</p> <p>Understands how the size of RAM can affect processing speed.</p> <p>Recognises that computers transfer data in binary and how basic binary works - exploring the link to bitmaps and digital images.</p> <p>Understands the functions of an operating system and how different devices use different ones (e.g. Android, iOS, Windows).</p>	<p><u>What would Jesus do? Can we live by the values of Jesus in the 21st century?</u> To outline three or more examples of Jesus' teaching on how his followers should live.</p> <p>To explain the impact Jesus' example and teachings might have on Christians today.</p> <p>To offer interpretations of two of Jesus' parables and say what they might teach Christians about how to live.</p> <p>To express their own understanding of what Jesus would do in relation to a moral dilemma from the world today.</p>	<p><u>Rivers</u></p> <p>I know about the course of a river and can follow it from source to the ocean.</p> <p>I can name and locate many of the world's most famous rivers.</p> <p>I know why most cities are located by rivers.</p> <p>I understand the principles of the water cycle including transpiration. I can use a linear scale to measure rivers.</p>
PE Objectives	Art Objectives	Music Objectives
<p><u>Swimming</u> Swim competently, confidently and proficiently over a distance of at least 25 metres. Use a range of strokes effectively [for example, front crawl, backstroke and breaststroke] perform safe self-rescue in different water-based situations.</p> <p><u>Netball</u> To use an effective bounce pass in a game, use a greater variety of dodging skills, pivot and pass, and effectively and accurately use two-handed shooting.</p>	<p><u>Space Sketches</u> To create sketch books to record their observations.</p> <p>To draw with a range of materials, reflecting on work..</p> <p>To contrast a range of designers across time.</p>	<p><u>Ukulele Tuition</u> Perform simple, chordal accompaniments to familiar songs. Further understand the differences between semibreves, minims, crotchets and crotchet rests, paired quavers and semiquavers. Read and play short rhythmic phrases at sight from prepared cards, using conventional symbols for known rhythms and note durations. Talk about feelings created by the music, justifying a personal opinion with reference to musical elements.</p>
French Objectives	Jigsaw (PSHE) Objectives	
<p><u>That's Tasty</u> I can interpret a chart written in French. I can write words and phrases from memory. I can use the correct masculine or feminine form of adjectives. I can use the correct masculine or feminine form for 'some'. I can answer questions verbally and take part in role play, using topic vocabulary and phrases.</p>	<p><u>Dreams and Goals</u> I can compare my hopes and dreams with those of young people from different cultures.</p> <p>I can reflect on the hopes and dreams of young people from another culture and explain how this makes me feel.</p>	
Enrichment Activities		
Space Day		

