

Autumn! A sense of awe and wonder

Welcome to Year 5! This term, as we settle in, we will be filling our learning with awe and wonder - exploring rich texts and amazing characters sure to inspire.

English

In Autumn 1, our English topics will be looking at the books "The Man who Walked Between the Towers," "Hidden Figures" as well our key SPAG and composition skills. We will also be looking at:

- Recognising vocabulary and structures that are appropriate for formal speech and writing, including subjunctive forms
- Using passive verbs to affect the presentation of information in a sentence
 - Using expanded noun phrases to convey complicated information concisely
 - Relative clauses beginning with who, which, where, when, whose, that, or an omitted relative pronoun
 - Indicating degrees of possibility using adverbs [for example, perhaps, surely] or modal verbs [for example, might, should, will, must]
 - Use of commas to clarify meaning or avoid ambiguity
 - Using brackets, dashes or commas to indicate parenthesis

Science

In Science this term, we will look at the amazing topic of **Earth and Space**. This will include:

- Describe the Earth, Sun, and Moon as spherical.
- Identify scientific evidence to support and refute ideas over the centuries.
- Name and describe features of the planets of the solar system and place them in the correct order.
- Distinguish between geocentric and heliocentric planetary movement.
- Explain with the help of labelled diagrams how night and day occur.
- Show with evidence how different places on Earth experience night and day at different times.
- Report and represent findings through diagrams and explanations.
- Explain how the Earth and Moon move relative to the Sun.

Maths

This term, we will be looking at a range of topics to develop our arithmetic and reasoning skills. These will include **Place Value, arithmetic and fractions**.

These will include exploring:

- Understanding and applying the knowledge of place value, e.g., reads, writes, orders, compares, estimates, multiplies, and divides numbers by 10, 100, and 1000 up to 1,000,000 and to 3 decimal places and as fractions
- Rounding decimals with two decimal places to the nearest whole number and to one decimal place and any whole number up to 1,000,000 to the nearest 10, 100, 1000, 10,000, and 100,000.
- Counting fluently forwards and backwards to include:
 - Powers of 10 from any given number up to 1,000,000.
 - Including through zero and interprets negative numbers in context.
- Reading Roman numerals to 1000 (M) and recognises years written in Roman numerals.
- Recognising and converts mixed numbers and improper fractions and recognises and uses thousandths and relates to tenths, hundredths, and decimal equivalents.
- Comparing and orders fractions whose denominators are all multiples of the same number.
- Identifying equivalent fractions of a given fraction represented visually.
- Recognising and shows approximate proportions of a whole and uses unit and non-unit fractions, decimals, and percentages to describe these, e.g., recognises simple equivalence between fractions.
- Solving number problems and practical problems within the context of the fluency focus.

Spelling & Reading

Each week, we will be looking at a selection of special spelling words linked to our English topics. These can be found on our class webpage.

In our daily guided reading session, we'll also explore a range of challenging and exciting texts including *Wonder* by R.J. Palacio and *My name is Book* by John Agard. This will include comprehension questioning, developing our understanding of vocabulary and how authors create their texts.

We'll also work on our reading skills through Reading Plus, our special online reading platform. Make sure you complete your weekly reads at home (3) and Reading Plus assignments.

Geography

This half term, we will be exploring **what it means to live in the alps** and learning about:

- Locate the Alps on a world map and identify and label the eight countries they spread through.
- Locate three physical and three human characteristics in the Alps.
- Research and describe the physical and human features of Innsbruck.
- Use a variety of data collection methods including completing a questionnaire, mapping their route and recording their findings in sketches or photographs.
- Compare the human and physical geography of their local area and Innsbruck.

spirituality



This term, we will be looking at creation and how our world is filled with natural beauty. We will think about how God can be found in the wonderful world around us.

PE



This half term, our PE topics will be **fitness and basketball**. We will be focusing on learning about:

- Communicating with the team and moving into space to keep possession and score.
- Dribbling, passing, receiving, and shooting the ball with some control under pressure.
- Identifying successes and areas for improvement.
- Using tracking and intercepting when playing in defence.
- Understanding the need for tactics and identifying when to use them in different situations.
- Understanding the rules of the game and applying them honestly most of the time.
- Understanding that different skills are needed for different situations and beginning to apply this

Art



In Art, we will exploring the purpose and impact of images from the 'Space race' era of the 1950s and 60s; developing independence and decision-making using open-ended and experimental processes; combining drawing and collagraph printmaking to create a futuristic image. This will include:

- Understanding and explain what retrofuturism is.
- Participating in discussions and offer ideas.
- Evaluating images using simple responses, sometimes using formal elements to extend ideas

PSHE



As well as working on our own growth mindset and how to be effective learners, we will also cover:

- Exploring what is meant by inclusion, and discrimination
- Discussing what peer influence is and how it can make you feel
- Understanding what is meant by peer approval and the impact it can have

Computing

In our computing this half term, we will look at **coding** and creating basic programmes. This will include:

- Beginning to simplify code.
- Creating a playable game.
- Understanding what a simulation is.
- Programming a simulation using 2Code.
- Knowing what decomposition and abstraction
- Taking a real-life situation, decomposing it, and thinking about the level of abstraction.
- Understanding how to use friction in code.
- Beginning to understand what a function is and how functions work in code.

RE

This half term, we will be thinking about the big question: **'What does it mean if Christians believe God is Holy and Loving?'** and unpicking many things about how we imagine and see god. This will include:

- Identifying some different types of biblical texts, using technical terms accurately.
- Explaining connections between biblical texts and Christian ideas of God, using theological terms.
- Making clear connections between Biblical texts studied and what Christians believe about God; for example, through how churches are designed.
- Showing how Christians put their beliefs into practice in worship.
- Weighing up how biblical ideas and teachings about God as holy and loving might make a difference in the world today, developing insights of their own

