

As writers we will:

- Write poetry exploring figurative language based on our 'Take One Picture' painting.
- Study a range of fiction written by significant authors such as 'Michael Morpurgo'. Use this as a basis to develop our own creative writing, varying sentence structures and embedding ambitious vocabulary.
- Explore the genre of persuasion, producing our own persuasive writing linked to our study of the Alps and tourism.
- Improve our ability to clarify new language and use inference skills, studying a range of genres, during our class reading sessions.

As scientists we will:

- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect
- describe the movement of the Earth and other planets relative to the sun in the solar system
- describe the movement of the moon relative to the Earth

In RE lessons we will:

- Study the faiths of Christianity to answer the key question Can we live by the values of Jesus in the twenty-first century?
- Explore how Christians use Jesus' teaching to influence their values and the way they live their lives, relating it to the values that we hold.
- Explore and discuss people that are inspiring and special to us.

As geographers we will:

- Understand key aspects of physical geography.
- Learn about and compare different mountains and mountain ranges across the world, identifying their main features.
- Identify features of rivers and use maps to locate their source and mouth



Year 5 Autumn Term 2025

Our Big Questions

The Power of Togetherness— What can we learn from each other?

This question is based on our PSHE theme. We will explore how powerful it is to be positive and work together. We will revisit this throughout the term as we develop our knowledge across the curriculum.

The Amazing Unknown - Is there a world beyond ours?

This question links to our Science topic and we will be discussing whether the planets in our Solar System could support life

Useful Websites:

www.mymaths.co.uk
www.bbc.co.uk/bitesize
www.topmarks.co.uk
www.discoveryeducation.co.uk
www.purplemash.com

As mathematicians we will:

- Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit.
- Count forwards and backwards in steps of powers of 10 (100, 1000, 10,000) for any given number up to 1 000,000.
- Round any number, including decimals.
- Add and subtract whole numbers with more than 4 digits, including using formal written methods.
- Use rounding to add together mentally any two 2-digit or 3-digit numbers.
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.
- Identify multiples and factors, including finding all factor pairs of a number and common factors of two numbers.
- Understand and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.
- Establish whether a number up to 100 is a prime number and recall prime numbers up to 19.
- Multiply numbers up to 4 digits by a one or two-digit number using a formal method including long multiplication for two-digit numbers.
- Multiply and divide numbers mentally drawing upon known facts
- Divide any number with 4 digits by a single digit number with remainder.
- Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.

For our Spiritual, Moral, Social and Cultural development we will:

- use the 10 Happiness Keys for a variety of well being activities.
- develop the British Values of Individual Liberty, Rule of Law, Democracy and Mutual Respect and Tolerance— linked to other areas of our learning.
- Go on a tree walk to our class tree
- Take part yoga and relaxation sessions to support our physical and mental health.
- Participate in a Mayan themed day to experience different aspects of their culture.

As artists we will:

- Study the work of Gustav Klimt as part of our 'Take one Picture' project.
- Develop our painting techniques, producing a piece of painting on silk that links to our Take one Picture project

As computer users we will:

- Develop our understanding of coding, creating algorithms to program a sequence
- Know what decomposition and abstraction are in computer science
- Understand what a function is and how functions work in code.
- Gain a greater understanding of the impact that sharing digital content can have
- Design a 3d model to fit certain criteria linked to our food technology project
- Can use databases linking to our scientific learning

As linguists we will:

- Develop our knowledge of the French language through songs, stories and conversation.
- Express opinions through speaking and listening activities.
- Revise and develop our spoken and written language of greetings.
- Converse, using French, all about ourselves.

As SpAG Collectors we will:

- Write sentences with more than one clause, using fronted adverbials, carefully selected nouns and pronouns and expanded noun phrases.
- Use a variety of sentence starters for impact.
- Explore the use of commas, dashes and brackets to indicate parenthesis.
- Identify modal verbs within sentences and the effect that they have.
- Spell words from the year 3/4 and 5/6 word lists correctly.

As citizens during PSHE we will:

- Understand how to face new challenges positively.
- Understand our rights and responsibilities.
- Know how important it is to work together to make decisions democratically.
- Explore how racism and types of bullying can cause conflict.
- Celebrate different cultures.
- Know how to appreciate what we have.

As designers we will:

- Learn about different mechanisms and how they affect movement in order to make a moving toy
- Research and evaluate existing products to support our initial ideas and plans
- Produce detailed step by step plans that meet the needs of the design brief
- Evaluate our progress and final report.

As sportspeople we will:

- Develop invasion game skills through the sports of basketball, handball and tag rugby
- Work as a team and use communication skills to solve outdoor adventure activities.
- Understand the health benefits of exercise

As musicians we will:

- Listen to music by different artists and composers and see how musical styles have been influenced.
- Compose and perform soundscapes linked to our Geography learning of mountains.
- Develop our singing skills when studying the opera Carmen by Georges Bizet