

Year 6 Autumn Topic Web

Geography: My Communities

We will be exploring the different communities we are part of locally, nationally and globally. We will be working as geographers to explore human and physical processes, through fieldwork, maps, atlases, globes and aerial photographs. In outdoor learning, we will also be using and creating maps, exploring grid references and OS map symbols.

Art - Exploring Identity

Creating mixed media layered portraits.

DT - Cooking and nutrition

Our DT focus will be exploring, tasting and making bread - this may be done using outdoor cooking as well.

MFL - French

We will be listening and responding to stories, exploring phonics and grammar using known and new vocabulary, speaking in sentences and reading and writing words and phrases to explore the country of France.

Science

We will be working scientifically and investigating:

Animals including humans: we will be revising the work covered in Year 3 and 4 and finding out about the circulatory system within the human body. We will also be recapping the RSE work from the summer term on how humans change as they age.

Evolution and inheritance: finding out how characteristics are passed from one generation to the next and how species have adapted to suit their environments.

English

Talk for Writing - Using different authors we will develop story writing using Talk for Writing.

Non-fiction writing - we will look at instruction writing linking to our topic and explanations linked to our science work on Animals including humans.

SPAG - daily focussed sessions will be used to learn spelling rules, punctuation and grammar which will be re-enforced within the children's fiction and non-fiction writing.



Geography Vocabulary

County, region, sustainable, human process, physical process, Topographical feature, human feature, physical feature

Science Vocabulary

Circulatory system, heart, blood vessels, oxygenated, deoxygenated, drug, alcohol, nutrients, plasma, blood cells, platelets, evolution, adaptation, inheritance, genes, DNA, variation, fossilisation, offspring.

Computing

In Computing, we will be building our knowledge of programming as well as keeping ourselves safe on the internet.

Music

In Music, we will be learning to read music, perform and play with instruments and using our voices.

RE / PSHE

In RE, we will focusing on these big questions:

Year 3/4	Year 5/6
	God - What does it mean if God is holy and loving?
Creation and fall - What do Christians learn from the Creation story?	Creation and Science, conflicting or complimentary?
People of God - What is it like to follow God?	How can following God bring freedom and justice?

In PSHE, we will be focusing on the topics of Me and My Relationships and Valuing Difference.

PE

In our PE sessions, we will be learning the skills of invasion games and target games on **Thursday** afternoons with Pro-coaching.

My Communities

English Vocabulary Yr 5/6

- Paragraphs
- Proper nouns
- Pronouns
- Expanded noun phrase
- Expanded noun phrase with a modifying preposition
- Fronted adverbial for time, place or cause (followed by a comma)
- 'ing' sentence starter
- Power of three sentence
- Compound sentence (two independent clauses linked with a conjunction)
- Subordinate clause (a clause which doesn't make sense on its own - could be a fronted adverbial with a comma, drop-in clause or at the end of a sentence)
- Simile
- Present perfect tense (he has gone...)
- Determiners
- a / an
- apostrophe for possession
- apostrophe for contraction
- inverted commas for speech
- morphology
- etymology
- relative clause
- modal verbs
- brackets and dashes for parenthesis
- semi-colons and colons
- bullet points

Place Value	Addition and subtraction, Multiplication and Division	Fractions and Decimals
10000000 millions	Mental calculations Mixed operations	Common factors Simplify

Maths Year 6

Place Value	Addition and subtraction, Multiplication and Division	Fractions and Decimals
I can read, write, order and compare numbers up to 10 000 000 and determine the value of each digit I can round any whole number to a required degree of accuracy I can use negative numbers in context, and calculate intervals across zero I can solve number and practical problems that involve all of the above.	I can multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication I can divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context I can divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context I can perform mental calculations, including with mixed operations and large numbers I can identify common factors, common multiples and prime numbers I can use my knowledge of the order of operations to carry out calculations involving the four operations I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why I can solve problems involving addition, subtraction, multiplication and division I can use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.	I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination I can compare and order fractions, including fractions > 1 I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions I can multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$] I can divide proper fractions by whole numbers [for example, $\frac{1}{3} \div 2 = \frac{1}{6}$] I can associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, $\frac{3}{8}$] I can identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places I can multiply one-digit numbers with up to two decimal places by whole numbers I can use written division methods in cases where the answer has up to two decimal places I can solve problems which require answers to be rounded to specified degrees of accuracy I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

Times tables, arithmetic and mental arithmetic will continue to be taught and practised regularly.

