

Geography This term, children will be asked the question:

Where does water come from?

National Curriculum Links - Children will:

Understand and use a widening range of geographical terms
e.g. specific topic vocabulary

- contour, height, valley, erosion, deposition, transportation, headland

Draw accurate maps with more complex keys.

Explore weather patterns around parts of the around the UK and parts of Europe.

Explore features on OS maps using 6 figure grid references.

Science: Electricity

Children will learn about how electricity is generated and to complete their own circuit.

National Curriculum Links - Children will:

- identify common appliances that run on electricity
 - construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
 - identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
 - recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
 - recognise some common conductors and insulators, and associate metals with being good conductors.

Design Technology

This term, the children's design work will be based around our Electricity Science unit. We will apply our science knowledge to creating a game product for entertainment.

National Curriculum Links - Children will:

- understand and use electrical systems in their products

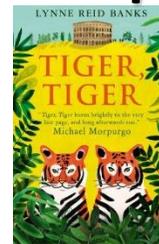
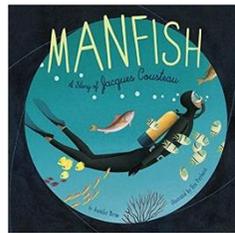
Art and Design

This term, the children's artwork will be based around the artist William Morris. We will study him as an artist and begin to replicate his work through developing painting skills.

National Curriculum Links - Children will:

- Use a variety of tools and techniques involving textiles
- Create different effects by using a variety of tools and techniques such as bleeds, washes, ratches and splashes. (printing)

Year 4 Spring



PSHE: Changing Me

In this unit, children will discuss how they are unique in the world and how change occurs as they grow older. We will discuss change of time and changes to the body whilst learning strategies to accept change.

History: This term, children will be asked the question:

'What happened when the Romans invaded?'

National Curriculum Links - Children will:

- Julius Caesar's attempted invasion in 55-54 BC
- the Roman Empire by AD 42 and the power of its army
- successful invasion by Claudius and conquest, including Hadrian's Wall
- British resistance, for example, Boudicca
- "Romanisation" of Britain: sites such as Caerwent and the impact of technology, culture and beliefs, including early Christianity

Music

Children will work with a specialist music teacher to:

- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression
- Listen with attention to detail and recall sounds with increasing aural memory

PE Children will take part in weekly swimming sessions provided externally by the LA.

National Curriculum Links - Children will:

- 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

Computing Children will learn recognise the importance of staying safe online during their Computing work.

Children will also groups to create their own iMovie linked to History. They will practice use of recording, adding sound/effects and understand transitions in video.

National Curriculum Links: Children will:

- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact
- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that

English

This half term, our Read to Write Unit is based around the text 'Manfish' by Jennifer Berne.

Written outcomes will be an Invention Narrative & Biography.

Reading

Our Shared Reading text this half term will be 'Tiger, Tiger' & 'Just Jack' (one per class)

GPS (Grammar, Punctuation and Spelling)

NC links

- To read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
- Increase their familiarity with a wide range of books, including myths, legends and traditional stories, modern fiction, fiction and poetry from our literary heritage, and books from other cultures and traditions
- Discuss words and phrases that capture the reader's interest and imagination
- **(Grammar)** extend range of sentences using when, because, if, although. Choose nouns or pronouns appropriately for cohesion and avoid repetition. Use conjunctions, adverbs and prepositions to express time and cause.
- **(Writing)** compose sentences orally, organise paragraphs around a theme and build a rich and varied vocabulary with an increasing range of sentence structures
- **Punctuation** use commas after fronted adverbials, using possessive apostrophe with plural nouns and punctuating direct speech
- **Spelling** - Children to work through Read Write Inc for Spelling, working through objectives as set out in the programme that reflects National Curriculum e.g. spell further homophones and develop understanding of prefixes/suffixes
- **Handwriting** Write legibly, fluently and with increasing speed

Mathematics This half term, children will work on their place value skills to embed knowledge of previously taught skills

NC links:

Number - multiplication and division Pupils should be taught to:

- recall multiplication and division facts for multiplication tables up to 12×12
- use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers
- recognise and use factor pairs and commutativity in mental calculations
- multiply two-digit and three-digit numbers by a one-digit number using formal written layout
- solve problems involving multiplying and adding, including using the distributive law to multiply two-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects

Fractions (including decimals)

- recognise and show, using diagrams, families of common equivalent fractions
- count up and down in hundredths; recognise that hundredths arise when dividing an object by a 100 and dividing tenths by 10.
- solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number
- add and subtract fractions with the same denominator
- recognise and write decimal equivalents of any number of tenths or hundredths
- recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$
- find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths
- round decimals with 1 decimal place to the nearest whole number
- compare numbers with the same number of decimal places up to 2 decimal place
- solve simple measure and money problems involving fractions and decimals to 2 decimal places.

Year 4 Spring