

Science: Properties and changes of materials

- Lesson 1:** To explore, compare and group together everyday materials based on their properties.
- Lesson 2:** To investigate a range of everyday materials to find out their hardness, solubility, transparency, conductivity (electrical and thermal) and response to magnets.
- Lesson 3:** To investigate the insulating properties of three different materials in 'Keeping warm' investigation (*Use findings to recommend clothing for mountain expedition/maths link: line graph to measure the temperature of water*).
- Lesson 4:** To evaluate evidence from investigation to explain which material was the best insulator (*maths link: calculate difference between the temperatures before and after the experiment*).
- Lesson 5:** To know that some materials will dissolve in liquid to form a solution, and describe how to recover.
- Lesson 6:** That some changes of state and dissolving and mixing processes can be reversed through filtering, sieving and evaporating.
- Lesson 7:** To explain that some changes form new materials, and that these changes are not usually reversible.

STEM Project:

How can I clean dirty water to make it safe enough to drink?

Maths focus: Measures (capacity) To estimate, compare and calculate different measures, Measures (mass) Estimate and measure gravel, sand and soil needed.

Computing: E-Safety

- Lesson 1:** To understand the effect of oversharing personal information.
- Lesson 2:** To understand the dangers of chatting online.
- Lesson 3:** To understand that people can pretend to be other people online.
- Lesson 4:** To discuss and understand the potential consequences of livestreaming.
- Lesson 5:** To understand the effect of trolling.
- Lesson 6:** To understand the dangers of over-

Mathematics

Week 1	Week 2	Week 3	Week 4
<p>Arithmetic: Addition and subtraction recap (Year 4) PLACE VALUE LO: To read, write, order and compare numbers at least to 1,000,000 and determine the value of each digit. To count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.</p>	<p>Arithmetic: Multiplication and division facts MENTAL + AND - LO: To add and subtract numbers mentally with increasingly large numbers.</p>	<p>Arithmetic: Times tables WRITTEN METHODS for + and - To add and subtract whole numbers with more than 4 digits</p>	<p>Arithmetic: Place value in decimal numbers USING X AND ÷ FACTS LO: To multiply and divide numbers mentally drawing upon known facts. To multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</p>
<p>Arithmetic: Reading and writing numbers to 1,000,000 WRITTEN METHOD FOR X LO: To multiply numbers up to 4 digits by a one - or two-digit number using an efficient written method, including long multiplication for two-digit numbers. <i>Maths Link: Geography Measures- temperatures of mountain climates</i></p>	<p>Arithmetic: Multiplication tables FACTORS AND PRIMES LO: To identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. To know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. To establish whether a number up to 100 is prime and recall prime numbers up to 19. STEM PROJECT—measures</p>	<p>Arithmetic: Fractions WRITTEN METHOD-FOR ÷ LO: To divide numbers up to 4 digits by a one digit number using the efficient written method of short division and interpret remainders appropriately for the context. STEM PROJECT—measures</p>	

P.E.– Outdoor Football

- Lesson 1:Controlling and receiving**
To be able to control the ball with different body parts
- Lesson2: Dribbling**
To be able to keep the ball under pressure
- Lesson 3: Passing**
To be able to pass over different distance
- Lesson 4: Attacking**
To be able to apply attacking principles
- Lesson 5: Shooting**
To be able to shoot in different ways
- Lesson 6: Defending**
To be able to how to “jockey” an opponent
- Week 7- Sports Week**

P.E.– Swimming

- Lesson 1:** Assessment
To be able to swim to an assessed standard
- Lesson 2: Front crawl**
To be able to recall key techniques of the front crawl
- Lesson 3: Front crawl + Turns**
To be able to improve my timed swim
- Lesson 4: Backstroke**
To be able to improve my backstroke
- Lesson 5: Backstroke**
To be able to use lifesaving backstroke technique
- Lesson 6: Breaststroke**
To be able to improve my breaststroke
- Week 7—Water Polo**
To identify the different positions and rules in water polo

Religious Education:

Hinduism - Prayer and Worship

- Lesson 1:** To discuss the question: How far would you go?
- Lesson 2:** To learn how Hindus show their commitment to God through 'puja'.
- Lesson 3:** To learn how Hindus show their commitment to God through mantra and the teachings of the Vedas.
- Lesson 4:** To learn how Hindus show their commitment to God through pilgrimage to the River Ganges.
- Lesson 5:** Today I am learning to evaluate the ways a Hindu shows commitment to God.
- Lesson 6:** To visit the Hindu temple in Dawley.

Languages: French Phonics

- Lesson 1: To understand the French alphabet
- Lesson 2: To use simple vowel sounds
- Lesson 3: To learn more vowels
- Lesson 4: To make nasal sounds
- Lesson 5: To use complicated consonants
- Lesson 6: To know silent Letters

Experiences and Educational Visits:

The John Muir Award is an environmental award scheme focused on wild places. It supports people to connect with, enjoy and care for nature, landscape, and the natural environment - wild places.

Year 5 Unsolved Mysteries



Class Novel: The Nowhere Emporium—Ross Mackenzie

Reading

Week 1	Week 2	Week 3	Week 4
R/P	V	I	E
<p>Texts: Recounts Ongoing: The Nowhere Emporium LO: To retrieve and record information & identify key details</p>	<p>Texts: Descriptosaurus, visual literacy links Ongoing: The Nowhere Emporium LO: To explore vocabulary in context and decipher the meaning</p>	<p>Texts: existing underwater poetry Ongoing: 1The Nowhere Emporium LO: To make inferences about characters and plot</p>	<p>Texts: Watch News-round stimulus, existing news reports Ongoing: The Nowhere Emporium LO: To explain the themes and patterns that develop across the text.</p>
Week 5	Week 6	Week 7	
V	R	S	
<p>Texts: Existing letters-tone Ongoing: The Nowhere Emporium LO: To find and explain the meaning of words in context.</p>	<p>Texts: Reliable arguments to form 'sides' Ongoing: The Nowhere Emporium LO: To retrieve key details from a passage</p>	<p>Texts: Information pages Ongoing: The Nowhere Emporium LO: To summarise main ideas from more than one paragraph.</p>	

Geography—Mountains and Rivers

- Lesson 1:** To identify unusual landscapes around the world
- Lesson 2:** To locate key mountain ranges of the world
- Lesson 3:** To use a map to find and describe key features of mountains
- Lesson 4:** To describe the key features of a mountain range
- Lesson 5:** To describe a mountainous climate
- Lesson 6:** To follow a line of geographical enquiry- How does tourism affect mountain regions?
- Rivers:** To describe and understand key aspects of rivers

Music

- Lesson 1:** To know where Latin is from and start to think about it compared to UK pop.
- Lesson 2:** To explore clave rhythms and perform some Latin-influenced music.
- Lesson 3:** To recognise instrumentation in Latin music.
- Lesson 4:** To analyse and perform Samba music.
- Lesson 5:** To perform a Samba dance to music.
- Lesson 6:** To assess knowledge of Samba music.

PSHE:

- Lesson 1:** I can face new challenges positively and know how to set personal goals.
- Lesson 2:** I understand my rights and responsibilities as a citizen of my country.
- Lesson 3:** I understand my rights and responsibilities as a citizen of my country and as a member of my school.
- Lesson 4:** I can make choices about my own behaviour because I understand how rewards and consequences feel.
- Lesson 5:** I understand how an individual's behaviour can impact on a group.
- Lesson 6:** I understand how democracy and having a voice benefits the school community and know how to participate in this.

Writing

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Writing Focus: Recount Dan Cooper Mystery To write a recount summarising the main events of the Dan Cooper mystery.	Writing Focus: Bermuda Triangle Non Chronological Report To write a Non-chronological report about the Bermuda triangle.	Writing Focus: Atlantis Poetry To write a non-rhyming Atlantis Poem	Writing Focus: Loch Ness Monster News Report To write a news report regarding sightings of the Loch Ness Monster. (Green screen)	Writing Focus: Yeti/Bigfoot Persuasive Letter To write a persuasive letter maintaining a formal tone.	Writing Focus: Amelia Earheart Debate To research, write and participate in a debate. (Did Amelia Earheart die in her disappearance?)	Writing Focus: Cicada 3301 Application—interviews/job role. To construct a job advert / application for the Cicada 3301 job
SPAG Focus: Recovery	Word classes (First 4)	Punctuation recap Exclamation sentences	Expanded Noun Phrases	Main and Subordinate	Co-ordinating and Subordinating conjunctions	Subordinate clauses: Fronted Adverbials
Spelling Focus:	Rule 21 Homophones and near homophones	Rule 22 Homophones and near homophones	Rule 23 Homophones and near homophones	Rule 24 Homophones and near homophones	Rule 25 Years 3 & 4 -a to bi-	Rule 26 Years 3 & 4 Ci- to ea-