

Medium Term Planning

Learning Journey Map

Term: Autumn 1

Weeks: 7

Mapping curriculum content-knowledge and skills; creating cross curricular links; generating learning opportunities; composing the bigger picture

<p>Inspire awe and wonder Use stimuli to motivate and inspire- visits, visitors, artefacts, books, videos, plays, role play etc. -Children to perform poems -listening to forest sounds when writing setting description -hot seating the Gruffalo</p>	<p>Problem solving and thinking skills Creative thinkers; Real life challenge Risk taking; Resourcefulness; Enterprise Working collaboratively; Taking ownership of learning; Fostering and applying thinking skills Independent learners Fluent in 5 Maths</p>	<p>Creative Arts Dance, Drama, Music, Art- developing the creative brain; Inspiration, enjoyment and fulfilment; Opportunity to enhance and develop skills/talent Performance, dedication and perseverance Sharing and presenting work with...</p>	<p>Nurturing Responsible Citizens Thinking classroom/P4C; Emotional Intelligence Love for learning collaboratively; Care for the environment; Share talents in community; Make decisions; Links with community and local environment</p>
<p>-Harry Potter film -Big Bang – Science workshops run by teachers (Physics: Creating an egg shelter that protects an egg when dropped from a height, Chemistry: Creating bath bombs, Biology: Creating fake snot) -Using film stimuli to generate ideas for writing -Wonder Lab at the Science Museum -Using Magical Creatures to generate non-chronological reports</p>	<p>-Reasoning Challenges in Maths lessons -Fluent in Five -Regular SPAG/Mental Maths starters -Logic puzzles -Regular collaborative work (in mixed ability groups) -P4C/Thinking Skills lessons -Hypothesising, observing and explaining in Science lessons and experiments</p>	<p>-Arabic Art as part of the history lessons -Creating their own perfumes -Creating their own baths bombs -Having an opportunity to create their own magical creature to write about -Role play work in English lessons -Performing poetry (free verse spells) -Music lessons</p>	<p>-Introduce Brain characters as part of Thinking Skills lessons -P4C Lessons -Road Rangers -Establishing high expectations for Year 5 in terms of work, behaviour around the school and maintaining the learning environment -Looking at different types of thinkers -Setting up the new behaviour system</p>

YEAR 5

Title: **Blow Your Mind!**

Key Curriculum Areas: Science and History

Science States of Matter

- To classify materials according to their properties.
- To investigate thermal conductors and insulators.
- To investigate the best electrical conductors.
- To investigate solubility.
- To consider different approaches to the separation of solids, liquids and gases.
- To identify and observe irreversible chemical changes.
- To present our findings and communicate scientifically.

History Early Islamic Civilisation

- To develop a chronologically secure knowledge and understanding of British, local and world history.
- To select, organise and use relevant historical information.
- To consider historical changes, causes, similarities, differences and significance.
- To identify connections, contrasts and trends over time.
- To select, organise and use relevant historical information.

English Harry Potter

Poetry – Free Verse Spell Poetry, similes, metaphors, personification, alliteration, onomatopoeia, hyperbole, clichés, rhyme. Inventing nonsense words and experimenting with unexpected word combinations. Focus on varying pitch, pace, volume and expression when performing poetry.

Story Writing – Character Descriptions, Setting Descriptions, Short Adventure Stories. Revising and editing. Partner work. Emphasis on ambitious vocabulary. Creation of vivid imagery. Combination of description, action and dialogue through character and setting descriptions.

Grammar – Expanded Noun Phrases, comma usage, sentence types, beginning to look at Relative Clauses, Adverbials of Time, Manner, Place and Frequency, synonyms and antonyms.

Non-Fiction – Non-Chronological Report on a Fantastic Beast – formality.

Guided Reading – Focus on AF2 (Comparisons within texts, Meaning of words in context, Summarising, Fact and opinion, Retrieve, record and presenting information).
Spelling – Dictation of Year 5/6 spelling words, Dictionary and Thesaurus Work, Apostrophes for possession and silent letters.

Cross Curricular Links (Writing Opportunities)

- Use of formal language and non-fictional features to tie in with Science writing opportunity
- Mentioning of alchemy and chemistry in History
- Comprehension skills in History

Maths

Place Value

- Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000
- Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit
- Round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000

Addition

- Add whole numbers with more than 4 digits, including using columnar addition
- Add numbers mentally with increasingly large numbers
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition multi-step problems in contexts, deciding which operations and methods to use and why

Subtraction

- Subtract numbers mentally with increasingly large numbers
- Subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Multiplication

- Multiply numbers mentally drawing upon known facts.
- Multiply numbers up to 4 digits by a one or two digit number using a formal written method including long multiplication for two digit numbers
- Multiply whole numbers and those involving decimals by 10, 100 and 1,000

Division

- Divide numbers up to 4 digits by a one digit number using the formal written method of short division and interpret remainders appropriately for the context.
- Divide whole numbers and those involving decimals by 10, 100 and 1000
- Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign

Geometry: 2D & 3D Shapes

- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles
- Identify 3D shapes, including cubes and other cuboids, from 2D representations

Cross Curricular Links

- Al-Khwarizmi – ‘the father of algebra’ in History
- Introduction of Hindu-Arabic numbers 1-9 and 0 in History
- Measures during Science investigations

Big Bang

Mad Scientists Day + Harry Potter

School Trip/Special Events

Science Museum + Wonder Lab

Celebration

As above

PE

Swimming

Computing

-Conditions and Variables
-Basic programming