

Year 5 Spring 2: Half Term planning (2019)

	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6
International Creative Curriculum	<p>The industrial Revolution</p> <p>To understand why the Industrial Revolution was important in Britain and understand the effects.</p>	<p>The Earliest Locomotives and the wonder of steam</p> <p>The effect steam had on transport. The children will learn about the inventions and lives of Richard Trevithick and George Stephenson, including the design of his famous Rocket engine.</p>	<p>The Growth of Britain's Railways</p> <p>Nationalisation, privatisation and the railway network. Children will be able to explain how and why the network changed over time and mark major lines on a map.</p>	<p>The impact of Railways</p> <p>Children will consider the positive and negative effects of the introduction and development of railways (link to debating).</p>	<p>Railway Technology</p> <p>Children will look at how changes in technology have changed the way we travel. They will explore steam, diesel and electric trains.</p>	<p>Railway Art</p> <p>L.S Lowry Children will explore and identify perspective in Lowry's paintings and create their own one based on one of his industrial scenes. They will learn about his life and analyse his paintings.</p>
English: Spoken English, Reading Comprehension and Writing Composition	<p>Harry Potter</p> <p>Exploring different forms of sentence construction.</p> <p>Children to look at single and multi-clause sentences and explore how relative and subordinate clauses can be used.</p>	<p>Harry Potter</p> <p>Exploring different forms of sentence construction.</p> <p>Children to analyse a variety of extracts from the Philosopher's Stone, discussing why they are effective. These techniques and sentence forms will then be used within their own creative writing.</p>	<p>Harry Potter – Instructional Writing</p> <p>Children to explore instructional writing, focussing on how to create a clear and unambiguous set of instructions. Children will create their own magical potions, explaining, step by step, how to create these.</p>	<p>Harry Potter Studios Trip</p> <p>Children to write about their experiences at the Harry Potter Studios and use their knowledge to analyse how particular scenes from the movies have been created and directed.</p>	<p>Harry Potter – Creating suspense, tension and atmosphere</p> <p>Through a variety of different written styles, children will explore the different techniques involved with building an atmospheric piece of text.</p>	<p>Harry Potter – Creative Writing</p> <p>Children will be creating their own descriptive passages to extend or improve one of the Harry Potter stories, drawing on their experiences from the Studios visit and the other work done this half term.</p>
Vocabulary, grammar and punctuation	Conjunctions to join two clauses together.	ISPAVED – dropping in a clause to vary sentences.	Adverbials of time / colons / semicolons.	Past tense verbs.	Figurative language (ISPAVED) – using similes to start sentences.	Vocabulary work (Synonyms)
Spelling	Words containing –ei E.g. receive, conceive, protein, receipt.	Words containing –ei E.g. receive, conceive, protein, receipt.	Words containing –ei E.g. receive, conceive, protein, receipt.	Words ending in –ant, -ance and –ancy. E.g. assistant, elegance, vacancy.	Words ending in –ant, -ance and –ancy. E.g. assistant, elegance, vacancy.	Words ending in –ant, -ance and –ancy. E.g. assistant, elegance, vacancy.
Maths	<p>Fractions</p> <p>Add and subtract fractions with the same denominator and denominators that are multiples of the same number.</p>	<p>Fractions</p> <p>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. [for example $3 \frac{1}{4} \times 2 = 6 \frac{1}{2}$ OR $\frac{1}{4} \times 3 = \frac{3}{4}$].</p> <p>Read and write decimal numbers as fractions [for example $0.71 = \frac{71}{100}$].</p>	<p>Fractions</p> <p>Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple ratios.</p>	<p>Decimals & Percentages</p> <p>Read, write, order and compare numbers with up to three decimal places.</p> <p>Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Round decimals with two decimal places to the nearest whole number and to one decimal place. Solve problems involving number up to three decimal places.</p>	<p>Decimals & Percentages</p> <p>Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal. Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.</p>	NFER Assessments.

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Science	Forces Knowledge harvest exploring preconceptions and facts. Children in role as Science Officers on board the ship have to explain to the crew how they are wrong.	Forces Children explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object by measuring the force of gravity pulling on objects.	Forces Children identify the effects of air resistance by investigating the best parachute to slow a person down.	Forces Children identify the effects of water resistance by planning and creating streamlined boats.	Forces Children carry out a practical investigation into floating and sinking. Children observe events and accurately record results.	Forces Assessment week.
Computing Media and E-safety	Spreadsheets The children will be introduced to Excel Spreadsheets, entering data and using formulae. They will focus on number operations, entering text and numbers in cells and using the SUM formula and begin to format cells.	Spreadsheets The children will begin to use the SUM function for a specific purpose, such as calculating a League Table. They will order data using the sort function and produce a graph to present the data.	Spreadsheets Children will create totals and averages for existing data; sort according to either column then add or edit data by following instructions. They will begin to understand the benefit of automatic recalculation when editing.	Spreadsheets Children are given an investigation where the solution to a problem is best calculated using a spreadsheet. They must use prior knowledge and skills to find the best solution.	Spreadsheets Children are given a list of possible items and prices, along with a maximum spending budget. They must choose items for a party and calculate quantities and totals within the set budget for a given number of people.	Spreadsheets After a recap of the skills taught so far and the potential use for a spreadsheet, children are given the open-ended challenge to design their own.
DT	<p>Children will continue to cook with Mrs Wilson this half term.</p> <p>We will also be looking at creating structures. Here, the children will work in groups to build their own railway bridge, capable of transporting a model train across it.</p>					
PSHE	PATHS Setting goals and reaching your goal, the biography of Harriet Tubman.	PATHS Setting a goal. A class project to improve the school	PATHS Setting a plan and Making a Plan	PATHS Overcoming Obstacles – biography of Jim Abbott	PATHS Making New Friends	PATHS Joining in with Others
French	A School Trip Children will learn and perform songs in French such as 'The Wheels on the Bus'.	A School Trip Children will explore new vocabulary to describe some of the activities they like doing on the way to a destination.	A School Trip Children will learn to describe some of the common sights they may encounter on a journey.	A School Trip Children will learn and use a variety of vocabulary associated with visits to a museum.	A School Trip Children will learn and use a variety of vocabulary associated with trips to the countryside and activities they may do here.	A School Trip Children will recap the work in this unit as a School Trip to the Museum.
RE	Children will explore the key beliefs of Islam and relate them to their own beliefs.	Children will learn what the Hajj is and why Muslims go there.	Children will explore the steps of the Hajj, what it means to Muslims and why Mecca is important.	The children will continue their exploration of the Hajj, learning about all aspects of it including who should go, preparation and what happens on each day.	The children will create their own posters, depicting why the Hajj is so important to Muslims.	Using knowledge gained, the children will make a 6-point plan for their own spiritual journey.

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<p>Music</p>	<p>What does Music sound like in other parts of the World?</p> <p>Children will explore Chinese music.</p>	<p>What does Music sound like in other parts of the World?</p> <p>Children will explore Caribbean music.</p>	<p>What does Music sound like in other parts of the World?</p> <p>Children will explore Indian music.</p>	<p>What does Music sound like in other parts of the World?</p> <p>Children will explore Irish music.</p>	<p>What does Music sound like in other parts of the World?</p> <p>Children will explore African Drumming music.</p>	<p>What does Music sound like in other parts of the World?</p> <p>Children will explore Indonesian Gamelan music.</p>
<p>PE</p>	<p>Swimming will continue at the UEA for the final class in Year 5, which is in addition to regular PE sessions at school and at Recreation Road.</p> <p>The children will be learning skills involved with racket sports, focusing on tennis.</p>					