

Building  
Brighter  
Futures  
Together

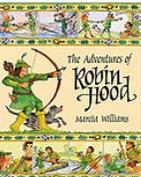
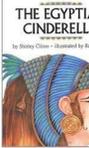
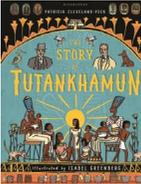
# Eastwood Community School

## Whole School Theme Coverage



2022-23

### YEAR 5

		Autumn 1	Autumn 2		Spring 1	Spring 2		Summer 1	Summer 2	
Focus		LOCAL (Our Time, Our Place)			NATIONAL			GLOBAL		
Year 5	Unit title(s)	<b>Keighley &amp; its river through the Ages</b> <b>Aire on the side of caution</b>			<b>Decisions, decisions, decisions...</b>			<b>Ancient times: Egypt, China &amp; the Indus Valley, their mountains and rivers</b>		
	English & key texts	Fiction 	Non-fiction 	Poetry The River by Valerie Bloom  River Torridge by Chrissie Gittins (personification poetry)	Non-fiction   	Fiction   	Poetry 	Fiction    	Poetry Poems about historical periods studied  and/or  Mountains and rivers	Non-fiction 
	Geography	Explain why many cities/towns (Keighley) are situated on or close to rivers Explain why people are attracted to live by rivers Explain the course of a river (River Aire). Explain how a location fits into its wider geographical location with reference to human and economical features.			Plan a journey to a place in another part of the world, taking account of distance and time. Explain why many cities/towns (Keighley) are situated on or close to rivers Explain why people are attracted to live by rivers Explain the course of a river. Name and locate many of the country's most famous rivers in an atlas. Explain how a location fits into its wider geographical location with reference to human and economical features.			Plan a journey to a place in another part of the world, taking account of distance and time. Explain why many cities/towns (Keighley) are situated on or close to rivers Explain why people are attracted to live by rivers Explain the course of a river. Name and locate many of the world's most famous rivers in an atlas. <b>Locate and name the highest mountains within the United Kingdom.</b>		

			Name and locate many of the world's most famous mountainous regions in an atlas Explain how a location fits into its wider geographical location with reference to human and economical features.
History	<p>Explain how our locality has changed over time and carry out research in local historical sites.</p> <p>Draw a timeline with different historical periods showing key historical events or lives of significant people from Keighley. Explain how the lives of wealthy people were different from the lives of poorer people and cite evidence to explain why. Test out a hypothesis in order to answer questions. Describe a historical event using a range of evidence from different sources.</p>	<p>Draw a timeline with different historical periods showing key historical events or lives of significant people (crime &amp; punishment)</p> <p>Explain how Parliament affects decision making in England. Describe how crime and punishment has changed over a period of time.</p> <p>Describe a historical event using a range of evidence from different sources.</p>	<p>Draw a timeline with different historical periods showing key historical events or lives of significant people. Compare two or more historical periods (Ancient Egypt, Indus Valley and Shang Dynasty); explaining things which changed and things which stayed the same. Explain how the lives of wealthy people were different from the lives of poorer people and cite evidence to explain why.</p> <p>Describe a historical event using a range of evidence from different sources.</p>
Art Media & artist	<p>Use shading to successfully create mood and feeling. Complete a detailed sketch using pencil to create tone, shade and texture.</p> <p>Organise line, tone, shape and colour to represent figures and forms in movement (Lowry's mill images).</p> <p>Use shading to create mood and feeling.</p> <p>Express emotion in my art through use of lines and shading. Express emotion in my art through use of colour, lines and shading. (Starry night over the Rhone by Van Gough)</p> <p>Research the work and life of an artist and use their work to replicate/develop a style.</p> <p>Evaluate my artwork and the artwork of others.</p> <p>Moods &amp; landscapes</p>	<p>Use shading to successfully create mood and feeling. Complete a detailed sketch using pencil to create tone, shade and texture.</p> <p>Use shading to create mood and feeling.</p> <p>Express emotion in my art through use of lines and shading. Use images which I have created, scanned and found; altering them where necessary to create art.</p> <p>Evaluate my artwork and the artwork of others.</p> <p>Crime &amp; punishment themed art</p>	<p>Experiment with artistic styles from different historical periods and cultures and explain how these have influenced my artwork.</p> <p>Use shading and colour to create mood and feeling. Express emotion in my art through use of colour, lines and shading.</p> <p>Create an accurate print design following criteria. Evaluate my artwork and the artwork of others.</p> <p>Artistic styles of periods studied in history</p>
DT	<p>(Covered in Enrichment)</p> <p>Identify criteria for designing and evaluate existing products. Come up with a range of ideas after collecting information from different sources.</p> <p>Produce a detailed, step-by-step plan.</p> <p>Suggest alternative plans; outlining the positive features and draw backs.</p> <p>Explain how and why a product/recipe will appeal to a specific audience.</p> <p>Evaluate appearance and function of my product against original criteria.</p> <p>Use a range of tools, ingredients and equipment competently.</p> <p>Understand the importance of a prototyping. Make a prototype before make a final version.</p>		<p>Show that I can be both hygienic and safe in the kitchen. Explain how and why a recipe will appeal to a specific audience. (Egyptian food then and now)</p>

	<p>Maths</p>	<p>Number &amp; Place Value</p> <p><b>Read, write, order and compare numbers to at least 1,000,000.</b></p> <p><b>Count forwards or backwards in steps of powers of 10 for any given number up to 1,000,000.</b></p> <p><b>Determine the value of each digit in numbers up to 1,000,000.</b></p> <p><b>Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.</b></p> <p><b>Round any number up to 1,000,000 to the nearest 10, 100, 1000, 10000 and 100000.</b></p> <p><b>Solve number problems and practical problems with the above.</b></p> <p><b>Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals.</b></p>	<p>All 4 Operations (addition &amp; subtraction incorporating money &amp; measures)</p> <p><b>Add and subtract whole numbers with more than 4 digits, including using formal written methods.</b></p> <p><b>Add and subtract numbers mentally with increasingly large numbers.</b></p> <p><b>Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy.</b></p> <p><b>Solve problems including missing numbers using the inverse operation with numbers with more than 4 digits (trio triangle).</b></p> <p><b>Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.</b></p>	<p>All 4 Operations (multiplication &amp; division incorporating money &amp; measures)</p> <p><b>Identify multiples and factors, including finding all factor pairs and common factor pairs.</b></p> <p><b>Use the vocabulary of prime numbers, prime factors and composite numbers and establish whether a number up to 100 is prime and recall prime numbers up to 19.</b></p> <p><b>Multiply numbers up to 4 digits by a 1-digit (or 2-digit number) using a formal written method.</b></p> <p><b>Multiply numbers up to 4 digits by a (1-digit or) 2-digit number using a formal written method.</b></p> <p><b>Multiply and divide numbers mentally drawing on known facts and the inverse operation.</b></p> <p><b>Divide numbers up to 4 digits by a 1-digit number using the formal written method of short division and interpret remainders.</b></p> <p><b>Solve problems involving multiplication and division including scaling by simple fractions and problems involving simple rates.</b></p> <p><b>Solve missing number problems using the inverse operation with numbers up to four digits (trio triangle).</b></p> <p><b>Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.</b></p> <p><b>Recognise and use square numbers and cube numbers, and</b></p>	<p>Fractions, decimals &amp; percentages</p> <p>Compare and order fractions whose denominators are multiples of the same number.</p> <p>Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths.</p> <p>Recognise mixed numbers and improper fractions and convert from one form to the other.</p> <p><b>Find fractions of an amount.</b></p> <p>Write mathematical statements <math>&gt;1</math> as a mixed number.</p> <p>Add and subtract fractions with the same denominator and denominators that are multiples of the same number.</p> <p>Multiply proper fractions &amp; mixed numbers by whole numbers, supported by materials &amp; diagrams.</p> <p>Read and write decimal numbers as fractions.</p> <p>Recognise &amp; can use thousandths and relate them to tenths,</p>	<p>Geometry</p> <p>Identify 3D shapes, including cubes and other cuboids, from 2D representations.</p> <p>Know angles are measured in degrees.</p> <p>Identify, estimate and compare acute, obtuse and reflex angles.</p> <p>Draw given angles and measure them in degrees.</p> <p>Identify angles at a point and one whole turn.</p> <p>Identify angles at a point on a straight line and <math>\frac{1}{2}</math> a turn.</p> <p>Identify other multiples of <math>90^\circ</math>.</p> <p>Use the properties of rectangles to deduce related facts and find missing lengths and angles.</p> <p>Distinguish between regular &amp; irregular polygons based on reasoning about equal sides &amp; angles.</p> <p><b>Identify</b>, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know</p>	<p>Measures</p> <p>Convert between different units of metric measure.</p> <p>Understand and use approximate equivalences between metric units and common imperial units.</p> <p>Measure and calculate the perimeter of composite rectilinear shapes in cm and m.</p> <p>Calculate and compare the area of rectangles (incl squares), and including using standard units (<math>\text{cm}^2</math> and <math>\text{cm}^3</math>) to estimate the area of irregular shapes.</p> <p>Estimate volume and capacity,</p> <p><b>Solve problems involving converting between units of time (including use of timetables).</b></p> <p><b>Use all four operations to solve problems involving money using decimals, including scaling.</b></p>
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				<p>the notation for squared and cubed.</p> <p>Solve problems involving multiplication and division including using knowledge of factors and multiples, squares and cubes.</p> <p>Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.</p>	<p>hundredths and decimal equivalents.</p> <p>Round decimals with 2 decimal places to the nearest whole number and 1 decimal place.</p> <p>Read, write, order and compare numbers with up to 3 decimal places.</p> <p>Solve problems involving numbers up to 3 decimal places.</p> <p>Recognise the percent symbol and understand that percent relates to 'number parts per hundred'.</p> <p>Write percentages as a fraction with denominator hundred, and as a decimal.</p> <p>Solve problems which require knowing percentage and decimal equivalents of <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math>, <math>\frac{2}{5}</math>, <math>\frac{4}{5}</math> and those fractions with a denominator or a multiple of 10 or 25.</p>	<p>that the shape has not changed.</p> <p>Statistics</p> <p>Solve comparison, sum and difference problems using information presented in a line graph.</p> <p>Complete, read and interpret information in tables, including timetables.</p>	
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<p>Science</p>	<p style="text-align: center;"><b>Biology:</b> 2-week block during half term</p> <p><u>Living things and their habitats</u> Describe the life cycle of different living things, e.g. mammal, amphibian, insect bird. Describe the differences between different life cycles. Describe the process of reproduction in plants. Describe the process of reproduction in animals. <u>Animals, including humans</u> Create a timeline to indicate stages of growth in humans</p>	<p style="text-align: center;"><b>Chemistry:</b> 2-week block during half term</p> <p><u>Properties and changes of materials</u> Compare and group materials based on their properties (e.g. hardness, solubility, transparency, conductivity, [electrical &amp; thermal], and response to magnets). Describe how a material dissolves to form a solution; explaining the process of dissolving. Describe and show how to recover a substance from a solution. Describe how some materials can be separated. Demonstrate how materials can be separated (e.g. through filtering, sieving and evaporating). Know and can demonstrate that some changes are reversible and some are not. Explain how some changes result in the formation of a new material and that this is usually irreversible. Discuss reversible and irreversible changes. Give evidenced reasons why materials should be used for specific purposes (forensic science links where possible)</p>	<p style="text-align: center;"><b>Physics:</b> 2-week block during half term</p> <p><u>Earth and space</u> Describe and explain the movement of the Earth and other planets relative to the Sun. Describe and explain the movement of the Moon relative to the Earth. Explain and demonstrate how night and day are created. Describe the Sun, Earth and Moon (using the term spherical).</p> <p><u>Forces</u> Explain what gravity is and its impact on our lives. Identify and explain the effect of air resistance. Identify and explain the effect of water resistance. Identify and explain the effect of friction. Explain how levers, pulleys and gears allow a smaller force to have a greater effect</p>
<p>PE</p>	<p style="text-align: center;"><b>Gymnastics</b></p> <p>Make complex extended sequences and adapt and improve it each time Combine action, balance and shape. Perform consistently to different audiences. (linked to rivers)</p> <p style="text-align: center;"><b>Outdoor and adventurous</b></p> <p>Follow a map in an unknown location. Use clues and a compass to navigate a route. Change my route to overcome a problem. Use new information to change my route Work as a team and develop strategies to beat difficult challenges and games. (Blackhills Trip)</p>	<p style="text-align: center;"><b>Dance (interpretive)</b></p> <p>Compose my own dances in a creative way. Perform to an accompaniment. Demonstrate that dance shows clarity, fluency, accuracy and consistency. (linked to rivers)</p> <p style="text-align: center;"><b>Games</b></p> <p>Gain possession by working a team. Pass in different ways using our hands or feet. Use forehand and backhand with a racket. Field and analyse the game to decide where to throw. Choose a tactic for defending and attacking. Choose tactics for evading when attacking and defending.</p>	<p style="text-align: center;"><b>Athletics &amp; fitness</b></p> <p>Controlled when taking off and landing. Throw with accuracy. Combine running and jumping. Run competitively with classmates Discuss the effects of diet and how changing it can improve performance. (link to favoured sports of countries studied where possible) Cross country, bleep test, circuit training</p> <p>Work as a team and develop strategies to beat difficult challenges and games.</p> <p style="text-align: center;"><b>Games</b></p>

	<p><b>Games</b></p> <p>Gain possession by working a team.  Pass in different ways using our hands or feet.  Use forehand and backhand with a racket.  Field and analyse the game to decide where to throw.  Choose a tactic for defending and attacking.  Choose tactics for evading when attacking and defending.  Use a number of techniques to pass, dribble and shoot.  Hockey, Kabaddi &amp; tag rugby</p>	<p>Use a number of techniques to pass, dribble and shoot.  Badminton &amp; tennis  Rounders &amp; kwick cricket</p> <p>Work as a team and develop strategies to beat difficult challenges and games.</p> <p><b>Outdoor and adventurous</b>  (linked to trip to museum)</p> <p>Follow a map in an unknown location.  Use clues and a compass to navigate a route.  Change my route to overcome a problem.  Use new information to change my route</p>	<p>Gain possession by working a team.  Pass in different ways using our hands or feet.  Use forehand and backhand with a racket.  Field and analyse the game to decide where to throw.  Choose a tactic for defending and attacking.  Choose tactics for evading when attacking and defending.  Use a number of techniques to pass, dribble and shoot.  Rounders &amp; kwick cricket</p>
ICT / Computing	<p><b>Algorithms and programming</b>  (Covered in Enrichment)</p> <ul style="list-style-type: none"> <li>Combine sequences of instructions and procedures to turn devices on and off.</li> <li>Use technology to control an external device.</li> <li>Design algorithms that use repetition &amp; 2-way selection.  (link to rivers, maps and route planning)</li> </ul> <p><b>Information technology</b> (linked to internet research for geography knowledge covered)</p> <ul style="list-style-type: none"> <li>Apply word processing skills to an email.</li> <li>Use different forms of presentation including prezi/google slides to present information.</li> <li>Insert a sound or video file into a PowerPoint presentation.</li> <li>Insert a hyperlink into an email and word document.</li> </ul>	<p><b>Digital literacy</b> (link to PHSCE)</p> <ul style="list-style-type: none"> <li>Understand that you have to make choices when using technology and that not everything is true and/or safe.</li> <li>Know the age restrictions for social networking sites.</li> <li>Identify the advantages and disadvantages of social networking.</li> <li>Understand what is meant by fake news and identify fake news.</li> <li>Understand the importance of password safety.</li> <li>Show awareness of privacy settings.</li> </ul>	<p><b>Information technology</b> (linked to internet research for historical periods studied)</p> <ul style="list-style-type: none"> <li>Analyse and evaluate information.</li> <li>Understand how search results are selected and ranked.</li> <li>Edit a film.</li> <li>Collect and input data into a table and present in a chart/graph on Excel.</li> <li>Apply word processing skills to an email.</li> <li>Use different forms of presentation including prezi/google slides to present information.</li> <li>Insert a sound or video file into a PowerPoint presentation.</li> <li>Insert a hyperlink into an email and word document.</li> </ul>
PHSCE	<p>Me and My Relationships</p> <p>Valuing Difference</p>	<p>Keeping Myself Safe</p> <p>Rights &amp; Responsibilities</p>	<p>Being My Best</p> <p>Growing &amp; Changing</p>
RE	<p>(Covered in Enrichment)</p> <p>Why are some journeys and places special?  (link to journey of a river)</p>	<p>Should we forgive others?</p>	<p>What values are shown in codes for living?  (Link to places studied as part of historical enquiry eg Hinduism for Indus Valley)</p>

	What do Christians believe about the old and new Testaments? ( <a href="#">link to St Anne's church visit</a> )		
Trip / Visitor:	<p>River Aire study Leeds-Liverpool canal study Blackhills Trip</p> <p>RE - Catholic Church visit (St Anne's)</p>	<p>Bradford police museum or Ripon Prison and Police Museum</p>	<p>Manchester Museum or Bagshaw Museum Batley</p>