

## Curriculum Overview Autumn Term Year 5

Year 5	Core Subjects		
	English	Maths	Science
	<p><b><u>Theme: Fantasy lands and creatures</u></b>  <b><u>Writing- Create</u></b>            Narrative- Setting description, <i>A futuristic land</i>            Narrative- Setting description, <i>A dragon's lair</i>            Non- Chronological reports- <i>A mythical creature</i>            Instructions and Explanation- <i>How to look after a goblin</i>            Narrative- Character description- <i>Spider wick chronicles</i>            Narrative- Broken, <i>A story of love, evil and loss</i> (Writing Day focus)</p> <p><b><u>Reading- Skills</u></b>            Predict            Retrieval            Inference            Vocabulary            Summarise            Compare and contrast            Using evidence            Fact and opinion            Explain</p> <p><b><u>PAG- Knowledge</u></b>            Word classes (Year 4 recap)            Comma use            Expanded noun phrases            Synonyms            Phrases/ Clauses            Conjunctions</p>	<p><b><u>Number: Place value</u></b>            ❖ Roman Numerals            ❖ Identifying value of digits            ❖ Numbers to one million            ❖ More or less than (up to 100,000)            ❖ Comparing numbers            ❖ Partitioning numbers up to one million            ❖ Rounding within one million</p> <p><b><u>Number: Addition and subtraction</u></b>            ❖ Written methods for addition and subtraction            ❖ Estimating            ❖ Rounding to check answers            ❖ Inverse operations            ❖ Word problems            ❖ Multi-step problems</p> <p><b><u>Number: Multiplication and division</u></b>            ❖ Factors and multiples            ❖ Prime, square and cube numbers            ❖ Multiply and divide by 10,100 and 1000</p> <p><b><u>Number: Fractions</u></b>            ❖ What is a fraction?            ❖ Equivalent fractions            ❖ Fractions greater than 1            ❖ Improper fractions to mixed numbers            ❖ Mixed numbers to improper fractions            ❖ Number sequences            ❖ Compare and order fractions less than 1            ❖ Compare and order fractions greater than 1            ❖ Add and subtract fractions</p>	<p><b><u>Materials and their properties/changes in materials</u></b></p> <p><b><u>Knowledge/Skills</u></b></p> <ul style="list-style-type: none"> <li>➤ Compare and group together everyday materials on the basis of their properties</li> <li>➤ Understand the processes of evaporation and condensation- as well as these processes within the 'water cycle'</li> <li>➤ Understand dissolving, mixing and changes of state are reversible changes</li> <li>➤ Research related scientist</li> </ul> <p><b><u>Investigate</u></b></p> <ul style="list-style-type: none"> <li>➤ Explore how some materials will dissolve in liquid to form a solution and how to retrieve</li> <li>➤ Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating</li> <li>➤ Investigate thermal insulators and conductors</li> </ul>



Chronology	Using 4 figure and 6 figure grid reference	Tonal shading	Singing in Unison	Marking	Sending and receiving email.	Cutting skills
Interpretation	Compass points	Observational drawing	Singing in canon	Defending	Sharing documents	Folding skills
Analysis	Locate the Equator, Prime Meridian and Tropics of Cancer/Capricorn on a world map.  Locate a range of countries around the world on a map  Locate UK counties on a map	Control a range of materials	Melody  Performance  Control and expression	Throwing/Catching  Play a range of sports that use a range of attacking and defending skills	Coding a computer program	Securing skills

Year 5	<b>Foreign Languages</b>
	<p>Pupils will develop their knowledge of where China is and some key facts about the country.</p> <p>Key knowledge:</p> <ul style="list-style-type: none"> <li>• Greetings</li> <li>• Introductions</li> <li>• Numbers</li> </ul>

Year 5	<b>Personal Development</b>		
	<b>RE</b>	<b>PSHE and Citizenship</b>	<b>RSE</b>
	Christianity	Transition - becoming a school community Rights and responsibilities	Safeguarding
	<u>Knowledge</u> Core Christian belief	<u>Knowledge</u> Rights and responsibilities	<u>Knowledge</u>

	<p>Christian Celebrations</p> <p>Christian ceremonies</p>	<p>Basic human rights</p> <p>Children's rights</p> <p>Bullying</p> <p>Respect and diversity</p>	<p>Who can we go to with concerns at GPA?</p> <p>Managing situations safely</p> <p>Physical health</p> <p>Mental health</p>
	<p><u>Skills</u></p> <p>Comparing and contrasting world religions</p> <p>Evaluating</p>	<p><u>Skills</u></p> <p>Oracy - debate and presentation</p> <p>Tolerance and respecting others</p>	<p><u>Skills</u></p> <p>Confidence</p> <p>How to keep mind and body healthy</p>

## Curriculum Overview Spring Term Year 5

Year 5	Core Subjects		
	English	Maths	Science
	<p><b><u>Theme: Classic Novels</u></b>  <b><u>Writing- Create</u></b>            Recount/Diary- <i>Of a Street Child</i>            Poetry - <i>London Streets</i>            Persuasive letter- <i>Bernado's</i>            Narrative- Sherlock Holmes</p> <p><b><u>Reading- Skills</u></b>            Predict            Summerise            Retrieval            Vocabulary            Sequence            Cause and Effect            Explain and evidence            Inference/ impression</p> <p><b><u>PAG- Knowledge</u></b>            First Person            Verb tenses            Modal verbs            Conjunctions            Synonyms and antonyms            Figurative language            Apostrophes            Sentence Types            Direct Speech            Dialogue</p>	<p><b><u>Number: Multiplication and Division</u></b></p> <ul style="list-style-type: none"> <li>❖ Multiplication- 2 digit by 1 digit up to 4 digit by 2 digit</li> <li>❖ Division- 4 digit by 1 digit</li> <li>❖ Division with remainders</li> <li>❖ Word problems</li> </ul> <p><b><u>Number: Fractions</u></b></p> <ul style="list-style-type: none"> <li>❖ Multiplying fractions</li> <li>❖ Calculating fractions of amounts</li> <li>❖ Finding the whole</li> <li>❖ Using fractions as operators</li> </ul> <p><b><u>Number: Decimals and percentages</u></b></p> <ul style="list-style-type: none"> <li>❖ Decimals up to 2 d.p.</li> <li>❖ Decimals as fractions</li> <li>❖ Understand thousandths</li> <li>❖ Rounding decimals</li> <li>❖ Order and compare decimals</li> <li>❖ Understand percentages</li> <li>❖ Percentages as fractions and decimals</li> <li>❖ Equivalent F.D.P.</li> </ul> <p><b><u>Measurement: Perimeter and area</u></b></p> <ul style="list-style-type: none"> <li>❖ Measure and calculate perimeter</li> <li>❖ Measure and calculate area</li> </ul> <p><b><u>Statistics</u></b></p> <ul style="list-style-type: none"> <li>❖ Read, interpret and draw line graphs</li> <li>❖ Read and interpret tables</li> <li>❖ Timetables</li> </ul>	<p><b><u>Forces in motion (Half Term)</u></b></p> <ul style="list-style-type: none"> <li>❖ Understand why unsupported objects fall towards the Earth because of the force of gravity</li> <li>❖ Identify and investigate the effects of air resistance, water resistance and friction</li> <li>❖ Investigate how levers work and how they reduce the force required to move objects</li> </ul> <p><b><u>Earth and space (Half Term)</u></b></p> <ul style="list-style-type: none"> <li>❖ To know the sizes of the Earth, Moon and Sun and the relative distances between them</li> <li>❖ Describe the movement of the Earth and other planets relative to the sun in the solar system</li> <li>❖ Describe the sun, Earth and moon as approximately spherical bodies</li> <li>❖ Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky</li> <li>❖ Describe the movement of the moon relative to the Earth and explain how the phases of the Moon occur</li> </ul>

	Formal and Informal		
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Year 5	Foundation Subjects						
	History	Geography	Art and Design	Music	PE	Computing	Design Technology
	<b>The Roman Empire, its army and the impact on Britain</b>	<b>Physical Geography - Rainforests</b>	Doodle drawing (until Feb half term)  Pop Art	<b>Notation Ukulele</b>	<b>Gymnastics and dance</b>	<b>Using technology safely, respectfully and responsibly</b>  <b>Spread Sheets</b>	Chinese Stir Fry (food technology project)
	<u>Knowledge</u> How did the Romans live? Democracy Features of a Roman town The Roman Army The Empire Boudica - resistance  What did the Romans do for us?	<u>Knowledge</u> Key features of a South American Rainforest  Biomes Weather and climate.  Identify the position and location of the equator and Tropics of Cancer and Capricorn and be able to explain why Rainforests grow in these regions	<u>Knowledge</u> Pop art movement style  Key artists	<u>Knowledge</u> Use and understand staff and other musical notations  Key workings of a ukulele	<u>Knowledge</u> Understand a range of levels, balances and movement  Compare performances and demonstrate knowledge of how to improve	<u>Knowledge</u> Recognising acceptable and unacceptable behaviours.  Understanding how to keep personal details safe online.  Understanding of the various methods of reporting concerns.	<u>Knowledge</u> Food hygiene  Food groups  Eating well  Symbols on packaging
	<u>Skills</u> Using primary and secondary sources  Comparing Roman civilization with the Maya  Evaluating the impact, the Romans had on Britain	<u>Skills</u> Locate the main rainforests of the world using a map, Atlas and Google Earth  Make comparisons between the UK and the Rainforest environment.	<u>Skills</u> Mixing and applying colour  Printing techniques	<u>Skills</u> Identifying notes and reading from sheet music  Playing a range of songs on the ukulele	<u>Skills</u> Develop flexibility, strength, technique, control and balance  Perform using a range of movement patterns	<u>Skills</u> Using a range of websites that can offer help and support with online concerns.	<u>Skills</u> Meal planning  Food preparation

Year 5	<b>Foreign Languages</b>
	<p>Pupils will develop their knowledge of the Chinese culture of caring for the young and respecting the old.</p> <p>Key knowledge</p> <ul style="list-style-type: none"> <li>• Explaining ages - pupils will be able to explain their age and ask other how old they are.</li> <li>• Understand the subject-verb structure in Mandarin and apply this to describe likes and dislikes.</li> <li>• Pupils will learn about Chinese New Year and its significance in Chinese culture.</li> <li>• Animals</li> <li>• Family members e.g. sister/father</li> </ul>

Year 5	<b>Personal Development</b>		
	<b>RE</b>	<b>PSHE and Citizenship</b>	<b>RSE</b>
	<b>Sikhism</b>	<b>E safety</b>	<b>Keeping Safe</b>
	<p><u>Knowledge</u> The origin of Sikhism The core beliefs The ten Gurus The 5 K's</p>	<p><u>Knowledge</u> Resilience - what is it? Building strategies to develop resilience E safety - what are social media platforms used for How to report negative behaviour</p>	<p><u>Knowledge</u> Families - what is a family unit? Different relationships</p>
	<p><u>Skills</u> To compare elements of Sikhism with previous studied religions, draw similarities and differences.</p>	<p><u>Skills</u> Confidence building</p>	<p><u>Skills</u> To understand that all families are unique. Develop an understanding of the qualities of a loving family. Identifying the qualities of different types of relationships e.g. friendships</p>

## Curriculum Overview Summer Term Year 5

Year 5	Core Subjects		
	English	Maths	Science
	<p><b><u>Theme: Our amazing Earth</u></b>  <b><u>Writing- Create</u></b>            Biography - David Attenborough            Film narrative- First person            News report- San Andreas earthquake            Narrative poetry - Rainforest / Mountain            Narrative- First person, present tense</p> <p><b><u>Reading- Skills</u></b>            Retrieval - true and false            Inference            Fact and opinion            Justify and clarify            Vocabulary            Retrieval - consolidation            Inference</p> <p><b><u>PAG- Knowledge</u></b>            Third Person            Dialogue- Recap            Relative clause            Pronouns</p>	<p><b><u>Geometry: properties of shape</u></b></p> <ul style="list-style-type: none"> <li>❖ Identify, compare and order angles</li> <li>❖ Measure angles in degrees, using a protractor</li> <li>❖ Drawing lines and angles accurately</li> <li>❖ Calculating angles on a straight line and around a point</li> <li>❖ Triangles and Quadrilaterals</li> <li>❖ Calculating lengths and angles in shapes</li> <li>❖ Regular and irregular polygons</li> <li>❖ Reasoning about 3-D shapes</li> </ul> <p><b><u>Geometry: Position and Direction</u></b></p> <ul style="list-style-type: none"> <li>❖ Describe position and draw on a grid</li> <li>❖ Position in the first quadrant</li> <li>❖ Translation</li> <li>❖ Lines of symmetry</li> <li>❖ Complete a symmetric figure</li> <li>❖ Reflection</li> </ul> <p><b><u>Number: Decimals</u></b></p> <ul style="list-style-type: none"> <li>❖ Adding and subtracting decimals within 1</li> <li>❖ Complements to 1</li> </ul>	<p><b><u>Living things and their habitats/Animals including humans</u></b></p> <ul style="list-style-type: none"> <li>❖ Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird</li> <li>❖ Describe the life process of reproduction in some plants and animals</li> <li>❖ Describe the changes as humans develop to old age</li> </ul>



<p>ellipses Reported speech</p>		<ul style="list-style-type: none"> <li>❖ Adding decimals - crossing the whole</li> <li>❖ Adding and subtracting decimals with the same number of decimal places</li> <li>❖ Adding and subtracting decimals with a different number of decimal places</li> <li>❖ Adding and subtracting wholes and decimals</li> <li>❖ Decimal sequences</li> <li>❖ Multiplying and dividing decimals by 10, 100 and 1,000</li> </ul> <p><b><u>Number: Negative numbers</u></b></p> <ul style="list-style-type: none"> <li>❖ Numbers less than 0</li> <li>❖ Compare and order numbers</li> </ul> <p><b><u>Measurement: Converting measurements</u></b></p> <ul style="list-style-type: none"> <li>❖ Kilometers, Kilograms and kilometers</li> <li>❖ Millimeters and milliliters</li> <li>❖ Metric units and Imperial units</li> <li>❖ Converting units of time Timetables</li> </ul> <p><b><u>Measurement: Volume</u></b></p> <ul style="list-style-type: none"> <li>❖ What is volume?</li> <li>❖ Compare volume</li> <li>❖ Estimate volume and capacity</li> </ul>	

Year 5	Foundation Subjects						
	History	Geography	Art and Design	Music	PE	Computing	Design Technology
	Anglo-Saxon's invasions, settlements and Kingdoms	Rivers	Pop Art	Develop an understanding of the history of music	Swimming/Athletics/ Rounders	Coding - Scratch inputs and outputs	Moving toys- Using Cams
	<u>Knowledge</u> Anglo Saxon invasion	<u>Knowledge</u> Identify key physical features (rivers) of UK cities and regions such as	<u>Knowledge</u> Pop art movement style	<u>Knowledge</u> African Drums  Djemba Drums and their origin.	<u>Knowledge</u> Understand rescue in different water based situations	<u>Knowledge</u> Design and write programs  Understand what variables are	<u>Knowledge</u> The movement different shaped cams create  How moving toys work

<p>What did an Anglo Saxon settlement look like?</p> <p>Anglo Saxon religion (Christian conversion)</p> <p>Anglo Saxon law and order</p> <p>Viking raids and invasion</p>	<p>rivers and how many have developed over time making links to the historical growth of towns and cities. Local study - River Tyne</p>	<p>Colour Wheel-complementary contrasting</p>	<p>Developing knowledge of the history of music</p>	<p>Understand the key positions in rounders and the rules of the game</p> <p>Understand the basic techniques in a range of athletics events</p>	<p>Work with various forms of input and output</p> <p>Begin to use logical reasoning to debug programs</p>	
<p><u>Skills</u> Evaluation</p> <p>Source analysis</p> <p>Interpretations</p> <p>Make justifications</p> <p>Prioritise a range of information</p>	<p><u>Skills</u> Describe how rivers are formed</p> <p>Use key geographical terminology</p>	<p><u>Skills</u> Portraiture</p> <p>Observational drawing</p>	<p><u>Skills</u> Rhythm</p> <p>Performance</p> <p>Composing</p>	<p><u>Skills</u></p> <p>Swim confidently 25m and use a range of strokes effectively</p> <p>Attacking and defending</p> <p>Develop flexibility and strength</p>	<p><u>Skills</u></p> <p>Move and edit blocks</p> <p>Programming</p> <p>Sequencing</p> <p>Applying effects and features</p>	<p><u>Skills</u> Combining cams to make multiple movements</p> <p>Understand how a handle, axel and cam work together</p>

Year 5	<b>Foreign Languages</b>
	<p>Pupils will develop their appreciation of Chinese customs and superstitions</p> <p>Key knowledge</p> <ul style="list-style-type: none"> <li>• Review of verbs.</li> <li>• Describe a range of colours.</li> <li>• Combining colour with body parts knowledge e.g. Brown eyes.</li> <li>• Months of the year.</li> </ul>

Year 5	<b>Personal Development</b>
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RE	PSHE and Citizenship	RSE
<b>Hinduism</b>	<b>British Values</b>	<b>Friendships</b>
<u>Knowledge</u> What is the best way for a Hindu to show commitment to God? Does the belief in Karma help a Hindu to lead a good life?	<u>Knowledge</u> E safety - online sources Fake news Identifying unhealthy online behaviours Sharing information online safely Stereotypes and prejudice What are British Values? Money confidence	<u>Knowledge</u> Importance of friendships Healthy and unhealthy friendships Consent - my body my choice
<u>Skills</u> Respect for different cultures and religions	<u>Skills</u> Managing personal information safely How to keep money safe	<u>Skills</u> Confidence to identify situations that require consent

