

# Curriculum Overview for Year 5

<p><b>English</b></p> <p><b>Reading</b></p> <ul style="list-style-type: none"> <li>• Apply knowledge of morphology &amp; etymology when reading new words</li> <li>• Reading &amp; discuss a broad range of genres &amp; texts</li> <li>• Identifying &amp; discussing themes</li> <li>• Make recommendations to others</li> <li>• Learn poetry by heart</li> <li>• Draw inference &amp; make predictions</li> <li>• Discuss authors' use of language</li> <li>• Retrieve &amp; present information from non-fiction texts.</li> <li>• Formal presentations &amp; debates</li> </ul> <p><b>Writing</b></p> <ul style="list-style-type: none"> <li>• Secure spelling, inc. homophones, prefixes, silent letters, etc.</li> <li>• Use a thesaurus</li> <li>• Legible, fluent handwriting</li> <li>• Plan writing to suit audience &amp; purpose</li> <li>• Develop character, setting and atmosphere in narrative</li> <li>• Use organisational &amp; presentational features</li> <li>• Use consistent appropriate tense</li> <li>• Proof-reading</li> <li>• Perform own compositions</li> </ul> <p><b>Grammar</b></p> <ul style="list-style-type: none"> <li>• Use expanded noun phrases</li> <li>• Use modal &amp; passive verbs</li> <li>• Use relative clauses</li> <li>• Use commas for clauses</li> <li>• Use brackets, dashes &amp; commas for parenthesis</li> </ul> <p><b>Speaking &amp; Listening</b></p> <ul style="list-style-type: none"> <li>• Give well-structured explanations</li> <li>• Command of Standard English</li> <li>• Consider &amp; evaluate different viewpoints</li> <li>• Use appropriate register</li> </ul>	<p><b>Art &amp; Design (UKS2)</b></p> <ul style="list-style-type: none"> <li>• Use sketchbooks to collect, record, review, revisit &amp; evaluate ideas</li> <li>• Improve mastery of techniques such as drawing, painting and sculpture with varied materials</li> <li>• Learn about great artists, architects &amp; designers</li> </ul>	<p><b>Computing (UKS2)</b></p> <ul style="list-style-type: none"> <li>• Design &amp; write programs to solve problems</li> <li>• Use sequences, repetition, inputs, variables and outputs in programs</li> <li>• Detect &amp; correct errors in programs</li> <li>• Understand uses of networks for collaboration &amp; communication</li> <li>• Be discerning in evaluating digital content</li> </ul>
<p><b>Mathematics</b></p> <p><b>Number/Calculation</b></p> <ul style="list-style-type: none"> <li>• Secure place value to 1,000,000</li> <li>• Use negative whole numbers in context</li> <li>• Use Roman numerals to 1000 (M)</li> <li>• Use standard written methods for all four operations</li> <li>• Confidently add &amp; subtract mentally</li> <li>• Use vocabulary of prime, factor &amp; multiple</li> <li>• Multiply &amp; divide by powers of ten</li> <li>• Use square and cube numbers</li> </ul> <p><b>Science</b></p> <p><b>Biology</b></p> <ul style="list-style-type: none"> <li>• Life cycles of plants &amp; animals (inc. mammal, insect, bird, amphibian)</li> <li>• Describe changes as humans develop &amp; mature</li> </ul> <p><b>Chemistry</b></p> <ul style="list-style-type: none"> <li>• Classify materials according to a variety of properties</li> <li>• Understand mixtures &amp; solutions</li> <li>• Know about reversible changes; identify irreversible</li> </ul> <p><b>Physics</b></p> <ul style="list-style-type: none"> <li>• Understand location and interaction of Sun, Earth &amp; Moon</li> <li>• Introduce gravity, resistance &amp; mechanical forces</li> </ul>	<p><b>Mathematics</b></p> <p><b>Geometry &amp; Measures</b></p> <ul style="list-style-type: none"> <li>• Convert between different units</li> <li>• Calculate perimeter of composite shapes &amp; area of rectangles</li> <li>• Estimate volume &amp; capacity</li> <li>• Identify 3-d shapes</li> <li>• Measure &amp; identify angles</li> <li>• Understand regular polygons</li> </ul> <p>Reflect &amp; translate shapes</p> <p><b>Data</b></p> <ul style="list-style-type: none"> <li>• Interpret tables &amp; line graphs</li> <li>• Solve questions about line graphs</li> </ul> <p><b>Fractions</b></p> <ul style="list-style-type: none"> <li>• Compare &amp; order fractions</li> <li>• Add &amp; subtract fractions with common denominators, with mixed numbers</li> <li>• Multiply fractions by units</li> <li>• Write decimals as fractions</li> <li>• Order &amp; round decimal numbers</li> <li>• Link percentages to fractions &amp; decimals</li> </ul>	<p><b>Design &amp; Technology (UKS2)</b></p> <ul style="list-style-type: none"> <li>• Use research &amp; criteria to develop products which are fit for purpose and aimed at specific groups</li> <li>• Use annotated sketches, cross-section diagrams &amp; computer-aided design</li> <li>• Analyse &amp; evaluate existing products and improve own work</li> <li>• Use mechanical &amp; electrical systems in own products, including programming</li> <li>• Cook savoury dishes for a healthy &amp; varied diet</li> </ul>
<p><b>History</b></p> <p><b>British History (taught chronologically)</b></p> <ul style="list-style-type: none"> <li>• Anglo-Saxons &amp; Vikings, including: <ul style="list-style-type: none"> <li>- Roman withdrawal from Britain; Scots invasion</li> <li>- Invasions, settlements &amp; kingdoms</li> <li>- Viking invasions; Danegeld</li> <li>- Edward the Confessor</li> </ul> </li> </ul> <p><b>Broader History Study</b></p> <ul style="list-style-type: none"> <li>• Ancient Greece, i.e. <ul style="list-style-type: none"> <li>- A study of Greek life and achievements and their influence on the western world</li> </ul> </li> </ul>	<p><b>Modern Languages (UKS2)</b></p> <ul style="list-style-type: none"> <li>• Listen &amp; engage</li> <li>• Engage in conversations, expressing opinions</li> <li>• Speak in simple language &amp; be understood</li> <li>• Develop appropriate pronunciation</li> <li>• Present ideas &amp; information orally</li> <li>• Show understanding in simple reading</li> <li>• Adapt known language to create new ideas</li> <li>• Describe people, places &amp; things</li> <li>• Understand basic grammar, e.g. gender</li> </ul> <p><b>Physical Education (UKS2)</b></p> <ul style="list-style-type: none"> <li>• Use running, jumping, catching and throwing in isolation and in combination</li> <li>• Play competitive games, applying basic principles</li> <li>• Develop flexibility &amp; control in gym, dance &amp; athletics</li> <li>• Take part in Outdoor &amp; Adventurous activities</li> <li>• Compare performances to achieve personal bests</li> <li>• Swimming proficiency at 25m (KS1 or KS2)</li> </ul>	<p><b>Geography (UKS2)</b></p> <ul style="list-style-type: none"> <li>• Name &amp; locate counties, cities, regions &amp; features of UK</li> <li>• Understand latitude, longitude, Equator, hemispheres, tropics, polar circles &amp; time zones</li> <li>• Study a region of Europe, and of the Americas</li> <li>• Understand biomes, vegetation belts, land use, economic activity, distribution of resources, etc.</li> <li>• Use 4- and 6-figure grid references on OS maps</li> <li>• Use fieldwork to record &amp; explain areas</li> </ul> <p><b>Music (UKS2)</b></p> <ul style="list-style-type: none"> <li>• Perform with control &amp; expression solo &amp; in ensembles</li> <li>• Improvise &amp; compose using dimensions of music</li> <li>• Listen to detail and recall aurally</li> <li>• Use &amp; understand basics of staff notation</li> <li>• Develop an understanding of the history of music, including great musicians &amp; composers</li> </ul> <p><b>Religious Education</b></p> <p>Continue to follow locally-agreed syllabus for RE</p>