

## Curriculum - Year 6

### **Reading**

- Read a broad range of genres
- Recommend books to others
- Make comparisons within/across books
- Support inferences with evidence
- Summarising key points from texts
- Identify how language, structure, etc. contribute to meaning
- Discuss use of language, inc. figurative
- Discuss & explain reading, providing reasoned justifications for views

### **English**

#### **Writing**

- Use knowledge of morphology & etymology in spelling
- Develop legible personal handwriting style
- Plan writing to suit audience & purpose; use models of writing
- Develop character & setting in narrative
- Select grammar & vocabulary for effect
- Use a wide range of cohesive devices
- Ensure grammatical consistency

### **Grammar**

- Use appropriate register/ style
- Use the passive voice for purpose
- Use features to convey & clarify meaning
- Use full punctuation
- Use language of subject/object

#### **Speaking & Listening**

- Use questions to build knowledge
- Articulate arguments & opinions
- Use spoken language to speculate,
- hypothesise & explore
- Use appropriate register & language

### **Number/Calculation**

- Secure place value & rounding to 10,000,000, including negatives
  - All written methods, including long division
  - Use order of operations (not indices)
  - Identify factors, multiples & primes
  - Solve multi-step number problems
  - **Algebra**
- Introduce simple use of unknowns

### **Mathematics**

#### **Geometry & Measures**

- Confidently use a range of measures & conversions
- Calculate area of triangles / parallelograms
- Use area & volume formulas
- Classify shapes by properties
- Know and use angle rules
- Translate & reflect shapes, using all four quadrants

#### **Data**

- Use pie charts
- Calculate mean averages

### **Fractions, decimals & percentages**

- Compare & simplify fractions
- Use equivalents to add fractions
- Multiply simple fractions
- Divide fractions by whole numbers
- Solve problems using decimals & percentages
- Use written division up to 2dp
- Introduce ratio & proportion

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<u>Science</u>	<u>History</u>	<u>Geography</u>	<u>Physical Education</u>	<u>Religious Education</u>
<p data-bbox="219 240 376 276"><b>Chemistry</b></p> <ul data-bbox="125 288 488 635" 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 data-bbox="232 644 344 679"><b>Physics</b></p> <ul data-bbox="136 692 465 1123" style="list-style-type: none"><li>• Understand location and interaction of Sun, Earth &amp; Moon</li> <li>• Light &amp; Shadows; the eye</li><li>• Electricity: investigating circuits</li></ul>	<p data-bbox="678 199 1037 282"><b>British History (taught chronologically)</b></p> <p data-bbox="611 359 992 394"><b>Broader History Studies</b></p> <p data-bbox="611 403 1030 486">Earliest ancient civilisations - <i>Ancient Egypt</i></p> <p data-bbox="598 588 978 758">A local history study, e.g. A depth study linked to a studied period (The Glass Industry)</p>	<p data-bbox="1189 159 1352 236"><b>Geography (UKS2)</b></p> <ul data-bbox="1115 280 1435 1257" style="list-style-type: none"><li>• Name &amp; locate countries, cities, regions &amp; features of UK.</li><li>• Understand latitude, longitude, Equator, hemispheres, tropics, polar circles &amp; time zones.</li><li>• <u>Ingleton:</u></li><li>• Use 4- and 6-figure grid references on OS maps.</li><li>• Use field work to record &amp; explain areas.</li><li>• A study of a region in the UK</li><li>• Describe and understand rivers. (River Nile and Ingleton Rivers)</li></ul>	<ul data-bbox="1491 276 1776 1249" 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 (PGL)</li><li>• Compare performances to achieve personal bests</li><li>• Swimming proficiency at 25m (KS1 or KS2)</li></ul>	<ul data-bbox="1821 245 2141 368" style="list-style-type: none"><li>• Continue to follow locally- agreed syllabus for R.E.</li></ul>

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<u>Art &amp; Design (UKS2)</u>	<u>Computing (UKS2)</u>	<u>Design &amp; Technology (UKS2)</u>	<u>Modern Languages (UKS2)</u>	<u>Music (UKS2)</u>
<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 (Picasso)</li></ul>	<ul style="list-style-type: none"><li>• Design &amp; write programs to solve problems (Flowol 2)</li><li>• Use sequences, repetition, inputs, variables and outputs in programs (Flowol 2)</li><li>• Detect &amp; correct errors in programs (Flowol 2)</li><li>• Understand uses of networks for collaboration &amp; communication</li><li>• Be discerning in evaluating digital content</li></ul>	<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>	<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>	<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>

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