

# Year 5 Core Subjects

The content for Maths and Science is specific to Year 5. The content for English is prescribed for upper Key Stage 2 (i.e. years 5 and 6)

## English

Reading	Writing	Grammar
<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>	<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>Nelson handwriting is used to develop a clear, fluent handwriting style.</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>

## Mathematics

Number/Calculation	Geometry & Measures	Fractions
<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>	<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> <li>Reflect &amp; translate shapes</li> </ul> <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>	<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>

Rising Stars materials are used to assess all areas of the maths curriculum.

Science (Curriculum taught over 2 Years) a practical SC1 approach.

### Biology

- Living things and their habitats. Life cycles.
- Describe changes in animals and humans. develop & mature.
- Living thing and their habitats (2). Characteristics of living things , classification and simple keys.
- Animals & Humans. Focus on Diet, exercise and healthy lifestyles. Blood, heart and circulation.
- Evolution & Inheritance. Variation and natural selection.

### Chemistry

- Classify materials according to a variety of properties
- Understand mixtures & solutions.
- Know about reversible changes; identify irreversible.

### Physics

- Understand location and interaction of Sun, Earth & Moon. Solar system.

- What are Forces. Introduce gravity, resistance & mechanical forces
- Light sources, reflection, shadows, lenses, mixing light and sight.
- Electricity. Series & parallel circuits. Conductors, insulators, voltage and amps. Electricity safety