



# CURRICULUM 2016/17 OVERVIEW FOR YEAR 5

<h2>English</h2> <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>	<h2>Music</h2> <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>	<h2>Physical Education</h2> <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> </ul>	
	<h2>Design &amp; Technology</h2> <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>		<h2>Art &amp; Design</h2> <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>
	<h2>History</h2> <p><b>British History (taught chronologically)</b> Anglo-Saxons &amp; Vikings, including:</p> <ul style="list-style-type: none"> <li>• Roman withdrawal from Britain; Scots invasion</li> <li>• <i>Invasions, settlements &amp; kingdoms</i></li> <li>• Viking invasions; Danegeld</li> <li>• Edward the Confessor</li> </ul> <p><b>Broader History Study</b> Ancient Greece, i.e.</p> <ul style="list-style-type: none"> <li>• <i>A study of Greek life and achievements and their influence on the western world</i></li> </ul>	<h2>Geography</h2> <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-figure grid references on OS maps</li> <li>• Use fieldwork to record &amp; explain areas</li> </ul>	



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## Mathematics

### Number/Calculation

- Secure place value to 1,000,000
- Use negative whole numbers in context
- Use Roman numerals to 1000 (M)
- Use standard written methods for all four operations
- Confidently add & subtract mentally
- Use vocabulary of prime, factor & multiple
- Multiply & divide by powers of ten
- Use square and cube numbers

### Geometry & Measures

- Convert between different units
- Calculate perimeter of composite shapes & area of rectangles
- Estimate volume & capacity
- Identify 3-d shapes
- Measure & identify angles
- Understand regular polygons
- Reflect & translate shapes
- **Data**
- Interpret tables & line graphs
- Solve questions about line graphs

### Fractions, decimals & percentages

- Compare & order fractions
- Add & subtract fractions with common denominators, with mixed numbers
- Multiply fractions by units
- Write decimals as fractions
- Order & round decimal numbers
- Link percentages to fractions & decimals

## Science (Using Kent Syllabus)

### Living Things and their Habitats:

- Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- Describe the life process of reproduction in some plants and animals.

### Animals including Humans:

- Describe the changes as humans develop from birth to old age.

### Earth and Space:

- Describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- Describe the movement of the Moon relative to the Earth
- Describe the Sun, Earth and Moon as approximately spherical bodies
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky

### Forces:

- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- Identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

### Properties and Changes of Material:

- Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- Understand that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- Demonstrate that dissolving, mixing and changes of state are reversible changes
- Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.

## Modern Languages

- Listen & engage
- Engage in conversations, expressing opinions
- Speak in simple language & be understood
- Develop appropriate pronunciation
- Present ideas & information orally
- Show understanding in simple reading
- Adapt known language to create new ideas
- Describe people, places & things
- Understand basic grammar, e.g. gender

## Computing

- Design & write programs to solve problems
- Use sequences, repetition, inputs, variables and outputs in programs
- Detect & correct errors in programs
- Understand uses of networks for collaboration & communication
- Be discerning in evaluating digital content

## Religious Education

### Judaism

- Worship, Sacred Places & Pilgrimage
- Journey of Life & Death/ Religion & the Individual

### Christianity

- Journey of Life & Death
- Celebration:
  - Christmas – focus on Peace
  - Easter – focus on sin and forgiveness
- Symbols & Religious Expression
- Teachings & Authority

### Islam

- Worship, Sacred Places & Pilgrimage