

## Beecroft Primary School Long Term Plan Year 5

<p><b><u>Art &amp; Design</u></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><u>Computing</u></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> <li>• E-safety</li> </ul>
<p><b><u>Design &amp; Technology</u></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 (see computing link)</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 (see science link)</li> </ul>	<p><b><u>Geography</u></b></p> <ul style="list-style-type: none"> <li>• Name &amp; locate counties, cities, regions &amp; features of UK – identify human and physical characteristics, key topographical features and land-use patterns</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>Areas of study: Amazon/South America</p>

	<p>Polar Circles.  Mapping of the UK's geographical features and mapping within the areas of study.  Castleton with residential.  Coasts - Scarborough</p>
<p><b><u>Modern Languages</u></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><u>Music</u></b></p> <ul style="list-style-type: none"> <li>• Perform with control &amp; expression; solo &amp; in ensembles</li> <li>• Use voice &amp; instruments with increasing accuracy, control and expression</li> <li>• Improvise &amp; compose using a range of tuned/ un-tuned instruments and ICT (2Simple)</li> <li>• Clap back a 2 bar rhythm</li> <li>• Listen to a range of music and comment on musical elements; instruments, pitch, tempo, dynamics, rhythm</li> <li>• Use &amp; understand basics of staff notation (note names and duration)</li> <li>• Develop an understanding of genres and the history of music, including great musicians &amp; composers</li> </ul>
<p><b><u>Physical Education</u></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> </ul>	<p><b><u>Religious Education</u></b></p> <ul style="list-style-type: none"> <li>• Continue to follow Leeds agreed syllabus for RE</li> <li>• Sikhism</li> <li>• Festivals of the world religions related to our pupils.</li> </ul>

<ul style="list-style-type: none"> <li>• Take part in Outdoor &amp; Adventurous activities</li> <li>• Compare performances to achieve personal bests <ul style="list-style-type: none"> <li>1. Hockey</li> <li>2. Gymnastics</li> <li>3. Dance</li> <li>4. Kwik-cricket</li> <li>5. Tennis</li> <li>6. Athletics</li> <li>7. OAA Castleton</li> </ul> </li> </ul>	
<p><b><u>Science</u></b></p> <p><b><u>Biology</u></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><u>Chemistry</u></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><u>Physics</u></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 (see DT link)</li> </ul>	<p><b><u>History</u></b></p> <p>Areas of study:</p> <ul style="list-style-type: none"> <li>• Romans</li> </ul>
<p><b><u>Maths</u></b></p>	

### 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

### 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

- 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

## **English**

### **Reading**

- Apply knowledge of morphology & etymology when reading new words
- Reading & discuss a broad range of genres & texts
- Identifying & discussing themes
- Make recommendations to others
- Learn poetry by heart
- Draw inference & make predictions
- Discuss authors' use of language
- Retrieve & present information from non-fiction texts.
- Formal presentations & debates

### **Writing**

- Secure spelling, inc. homophones, prefixes, silent letters, etc.
- Use a thesaurus
- Legible, fluent handwriting
- Plan writing to suit audience & purpose
- Develop character, setting and atmosphere in narrative
- Use organisational & presentational features
- Use consistent appropriate tense
- Proof-reading
- Perform own compositions

### Grammar

- Use expanded noun phrases
- Use modal & passive verbs
- Use relative clauses
- Use commas for clauses
- Use brackets, dashes & commas for parenthesis

### Speaking & Listening

- Give well-structured explanations
- Command of Standard English
- Consider & evaluate different viewpoints
- Use appropriate register