

Beecroft Primary School Long Term Plan Year 6

<p><u>Art & Design</u></p> <ul style="list-style-type: none"> • Use sketchbooks to collect, record, review, revisit & evaluate ideas • Improve mastery of techniques such as drawing, painting and sculpture with varied materials • Learn about great artists, architects & designers 	<p><u>Computing</u></p> <ul style="list-style-type: none"> • 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 • E-safety
<p><u>Design & Technology</u></p> <ul style="list-style-type: none"> • Use research & criteria to develop products which are fit for purpose and aimed at specific groups • Use annotated sketches, cross-section diagrams & computer-aided design (see computing link) • Analyse & evaluate existing products and improve own work • Use mechanical & electrical systems in own products, including programming (see science link) • Cook savoury dishes for a healthy & varied diet 	<p><u>Geography</u></p> <ul style="list-style-type: none"> • Name & locate counties, cities, regions & features of UK • Understand latitude, longitude, Equator, hemispheres, tropics, polar circles & time zones • Study a region of Europe, and of the Americas • Understand biomes, vegetation belts, land use, economic activity, distribution of resources, etc. • Use 4- and 6-figure grid references on OS <p>Areas of study: Region of Europe Impact on the world / challenging world Mapping of the UK's geographical features and mapping within the areas of study.</p>

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

Music

- Perform with control & expression; solo & in ensembles.
- Improvise & compose using a range of tuned/ un-tuned instruments and ICT (2Simple)
- Listen to a range of music and comment on musical elements; instruments, pitch, tempo, dynamics, rhythm
- Use & understand basics of staff notation (note names and duration.)
- Develop an understanding of the history of music, including great musicians & composers
- Clap back a 4 bar rhythm.
- Develop understanding of a range of genres

Physical Education

- Use running, jumping, catching and throwing in isolation and in combination
- Play competitive games, applying basic principles
- Develop flexibility & control in gym, dance & athletics
- Take part in Outdoor & Adventurous activities
- Compare performances to achieve personal bests
 1. Netball
 2. Gymnastics
 3. Fitness

Religious Education

- Continue to follow Leeds agreed syllabus for RE
- Christianity
- Festivals of the world religions related to our pupils.

<ul style="list-style-type: none"> 4. Tag-rugby 5. Athletics 6. Rounders 7. OAA - residential 	
<p>Science</p> <p><u>Biology</u></p> <ul style="list-style-type: none"> • Classification, including micro-organisms • Health & Lifestyles, incl. circulatory system • Evolution & Adaptation <p><u>Physics</u></p> <ul style="list-style-type: none"> • Light & Shadows; the eye • Forces, including gravity • Electricity: investigating circuits (see DT link) 	<p>History</p> <p>Areas of study:</p> <ul style="list-style-type: none"> • Slavery - West Africa, crime and punishment & the abolition of slavery as a significant turning point in British history • Anglo-Saxons and Vikings
<p>Maths</p> <p><u>Number/Calculation</u></p> <ul style="list-style-type: none"> • 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 <p><u>Algebra</u></p> <ul style="list-style-type: none"> • Introduce simple use of unknowns <p><u>Geometry & Measures</u></p> <ul style="list-style-type: none"> • 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

English

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

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