



Claughton St Mary's Catholic Primary School - Year 5 National Curriculum Subject Programmes of Study

<p style="text-align: center;">Mathematics</p> <p>Number/Calculation</p> <ul style="list-style-type: none"> ✓ 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 <p>Geometry & Measures</p> <ul style="list-style-type: none"> ✓ 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 <p>Data</p> <ul style="list-style-type: none"> ✓ Interpret tables & line graphs ✓ Solve questions about line graphs <p>Fractions</p> <ul style="list-style-type: none"> ✓ 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 	<p style="text-align: center;">English</p> <p>Reading</p> <ul style="list-style-type: none"> ✓ 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 <p>Writing</p> <ul style="list-style-type: none"> ✓ 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 <p>Grammar</p> <ul style="list-style-type: none"> ✓ Use expanded noun phrases ✓ Use modal & passive verbs ✓ Use relative clauses ✓ Use commas for clauses ✓ Use brackets, dashes & commas for parenthesis <p>Speaking & Listening</p> <ul style="list-style-type: none"> ✓ Articulate & justify opinions ✓ Speak audibly in Standard English ✓ Gain, maintain & monitor interest of listeners 	<p style="text-align: center;">Religious Education</p> <p style="text-align: center;">Continue to follow Diocesan Locally - agreed syllabus for RE</p>	
		<p style="text-align: center;">Computing</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 	
		<p style="text-align: center;">History</p> <p>British History</p> <ul style="list-style-type: none"> ✓ Anglo-Saxons & Vikings, including: <ul style="list-style-type: none"> - Roman withdrawal from Britain; Scots invasion - Invasions, settlements & kingdoms - Viking invasions; Danegald - Edward the Confessor <p>Broader History Study</p> <ul style="list-style-type: none"> ✓ Ancient Greece, i.e. <i>A study of Greek life and achievements and their influence on the western world</i> 	
<p style="text-align: center;">Music</p> <ul style="list-style-type: none"> ✓ Perform with control & expression solo & in ensembles ✓ Improvise & compose using dimensions of music ✓ Listen to detail and recall aurally ✓ Use & understand basics of staff notation ✓ Develop an understanding of the history of music, including great musicians & composers 	<p style="text-align: center;">Design & Technology</p> <ul style="list-style-type: none"> ✓ Use research & criteria to develop products which are fit for purpose ✓ Use annotated sketches and prototypes to explain ideas ✓ Evaluate existing products and improve own work ✓ Use mechanical systems in own work ✓ Understand seasonality; prepare & cook mainly savoury dishes 	<p style="text-align: center;">Modern Languages (French)</p> <ul style="list-style-type: none"> ✓ 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 ✓ Understand basic grammar, e.g. gender 	<p style="text-align: center;">Geography</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 maps ✓ Use fieldwork to record & explain areas
<p style="text-align: center;">Physical Education</p> <ul style="list-style-type: none"> ✓ Use running, jumping, catching and throwing in isolation and in combination ✓ Play competitive games, modified as appropriate ✓ Develop flexibility & control in gym, dance & athletics ✓ Compare performances to achieve personal bests ✓ Swimming proficiency 25m 	<p style="text-align: center;">Art & Design</p> <ul style="list-style-type: none"> ✓ Use sketchbooks to collect, record and evaluate ideas ✓ Improve mastery of techniques such as drawing, painting and sculpture with varied materials ✓ Learn about great artists, architects & designers 	<p style="text-align: center;">Science</p> <p>Biology</p> <ul style="list-style-type: none"> ✓ Life cycles of plants & animals (inc. mammal, insect, bird, amphibian) ✓ Describe changes as humans develop & mature <p>Chemistry</p> <ul style="list-style-type: none"> ✓ Classify materials according to a variety of properties ✓ Understand mixtures & solutions ✓ Know about reversible changes; identify irreversible <p>Physics</p> <ul style="list-style-type: none"> ✓ Understand location and interaction of Sun, Earth & Moon ✓ Introduce gravity, resistance & mechanical forces 	