

Year 5

| ENGLISH | | | SCIENCE |
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| <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"> Give well-structured explanations Command of Standard English Consider & evaluate different viewpoints Use appropriate register | <ul style="list-style-type: none"> changes in humans as they develop to old age (including puberty) differences in life cycles of mammal, amphibian, insect and bird life processes of reproduction in some plants and animals understand gravitational force identify effects of air resistance, water resistance and friction recognise some mechanisms, including levers pulleys and gears, allow a smaller force to have a greater effect describe movement of Earth ad other planets in relation to the sun describe movement of Moon relative to the Earth use Earth's rotation to explain day and night and apparent movement of sun across sky compare and group everyday materials with regard to hardness, solubility, transparency, conductivity (electrical and thermal) and magnetism some materials dissolve and how to recover a substance from a solution how to separate mixtures through filtering, sieving and evaporating give reasons based on comparative and fair tests for uses of metals, wood and plastic dissolving, mixing and changes of state are reversible some changes create new materials that are not reversible including burning and action of acid on bicarbonate of soda |
| MATHS | | | |
| <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 | |

| <u>HISTORY</u> | <u>GEOGRAPHY</u> | <u>MUSIC</u> | <u>ART & DESIGN</u> | |
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| <ul style="list-style-type: none"> • Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor • study of an aspect or theme in British history that extends pupils' knowledge beyond 1066 (e.g. Industrial Revolution ; Victoria – making of Empire and technological advances) | <ul style="list-style-type: none"> • locate world's countries identifying Europe (inc Russia), N and S America concentrating on environmental regions, key physical and human characteristics, countries and major cities • Longitude/latitude, Northern and Southern Hemispheres, Tropic of Cancer/Capricorn, Equator, N & S poles, prime/Greenwich Meridian, time zones • Eight points of compass, 4 & 6 figure grid refs, OS maps • describe and understand key aspects of biomes and vegetation belts in climate zones | <p>Upper KS2</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>Upper KS2</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 | |
| <u>PHYSICAL EDUCATION</u> | <u>COMPUTING</u> | <u>DESIGN & TECHNOLOGY</u> | <u>RELIGIOUS EDUCATION</u> | |
| <p>Upper KS2</p> <ul style="list-style-type: none"> • 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 • <i>Swimming proficiency at 25m (KS1 or KS2)</i> | <p>Upper KS2</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>Upper KS2</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 • Analyse & evaluate existing products and improve own work • Use mechanical & electrical systems in own products, including programming • Cook savoury dishes for a healthy & varied diet | <p>Follow Guildford Diocese planning</p> <th data-bbox="1603 826 2063 865"><u>MODERN FOREIGN LANGUAGE</u></th> <ul style="list-style-type: none"> • Listen & engage • Engage in conversations, • Speak in simple language & be understood • Develop pronunciation • Present ideas & info orally • Show understanding in simple reading • Adapt known language to create new ideas • Describe people, places & things • Understand basic grammar, e.g. gender | <u>MODERN FOREIGN LANGUAGE</u> |