## **Curriculum Overview for Year 5**

## **Art & Design English** perform their own compositions, using appropriate intonation, volume, and movement so that meaning is clear. Computing teading – comprehension maintain positive attitudes to reading and understanding of what they read by: - continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books or textbooks - reading books that are structured in different ways and reading for a range of purposes - increasing their familiarity with a wide range of books, including myths, legends and traditional stories, modern fiction, fiction from our literary heritage, and books from other cultures and traditions develop their understanding of the concepts set out in English Appendix 2 by: recognising vocabulary and structures that are appropriate for formal speech and writing including subjunctive forms spelling use further prefixes and suffixes and understand the guidance for adding them spell some words with 'silent' letters [for example, knight, psalm, solemn] ontinue to distinguish between homophones and other words which are often confused use knowledge of morphology and etymology in spelling and understand that the spelling of some words needs to be learnt specifically, as listed in English Appendix 1 use dictionaries to check the spelling and meaning of words understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration to create sketch books to record their observations and use them to review and revisit ideas including subjunctive forms using passive wherbs to affect the presentation of information in a sentence using the perfect form of verbs to mark relationships of time and cause using expanded noun phrases to convey complicated information concisely using modal verbs or adverbs to indicate degrees of possibility. to improve their mastery of art and design techniques, including drawing, painting and sculpture with a rar of materials [for example, pencil, charcoal, paint, clay] use search technologies effectively, appreciate how results are selected and ranked, and be discerning i stones, modern hours, indevention, in the control traditions • recommending books that they have read to their peers, giving reasons for their choices • identifying and discussing themes and conventions in and across a wide range of writing • making comparisons within and across books • learning a wider range of poetry by heart preparing poems and plays to read aloud and to perform, showing understanding through intonation, tone and volume so that the meaning is clear to an audience use the first three or four letters of a word to check spelling, meaning or both of these in a dictionary sing relative clauses beginning with who, which, where, then, whose, that or with an implied (i.e. omitted) relative Handwriting and presentation write legibly, fluently and with increasing speed by: choosing which shape of a letter to use when given choices and deciding whether or not to join specific letter. about great artists, architects and designers in history. oronoun eaming the grammar for years 5 and 6 in English Appendix 2 cate grammatical and other features by: range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information osing the writing implement that is best suited for a task. checking that the book makes sense to them, discussing their understanding and exploring the manning of words in context — saking questions to improve their understanding. meaning of words in context - asking questions to improve their understanding - drawing inferences such as inferring characters' feelings, thoughts and motives from their - actions, and justifying inferences with evidence - predicting what might happen from details stated and impiled - summarising the main ideas drawn from more than one paragraph, identifying key details that - support the main ideas - identifying how language, structure and presentation contribute to meaning - discuss and evaluate how authors use language, including figurative language, considering the - impact on the reader use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact. raft and write by: • selecting appropriate grammar and vocabulary, understanding how such choices can change and enhance meaning in narratives, describing settings, characters and atmosphere and integrating dialogue to convey character and advance the action lettlever, record and present information from non-incom participate in discussions about books that are read to them and those they can read for themselves, building on their own and others' ideas and challenging views courteously explain and discuss their understanding of what they have read, including through formal presentations and debates, maintaining a focus on the topic and using notes where neces précising longer passages using a wide range of devices to build cohesion within and across paragraphs using the organisational and presentational devices to structure text and to guide the reader [for example, headings, bullet points, underlining] **Design & Technology** Geography assessing the effectiveness of their own and others' writing proposing changes to vocabulary, grammar and punctuation to enhance effects and clarify menapoing. Design use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design meaning\* - ensuring the consistent and correct use of tense throughout a piece of writing - ensuring correct subject and verb agreement when using singular and plural, distinguishing between the language of speech and writing and choosing the appropriate register - proof-read for spelling and punctuation errors name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time **Mathematics** identify 3-D shapes, including cubes and other cuboids, from 2-D representations know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles draw given angles, and measure them in degrees (a) identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones soive number problems and practical problems that involve all of the above read Roman numerals to 1000 (M) and recognise ye written in Roman numerals. Technical knowledge understand and use mechanical systems in their products (e.g. gears, pulleys, cams, levers and linkages) • Inturpy proper fractions and mixed numbers by whose numbers, supported by materials and diagrams • read and write decimal numbers as fractions [for example, 0.71 = 71/100] • recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents • round decimals with two decimal places to the nearest whole number and to one decimal place • solve problems involving number up to three decimal places • solve problems involving number up to three decimal places • solve problems which require knowing percentage and decimal equivalents of 1%, 1%, 1/15, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25. Inderstand and apply the principles of a healthy and varied diet orepare and cook a variety of predominantly savoury dishes using a range of cooking techniques understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millitire) understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pirits understand and activate the perimeter of composite rectilinear shapes in centimetres and metres - calculate and compare the area of rectangles (including systames), and including using standard units, square centimetres and square metres - and estimate the area of irregular shapes. Modern Languages two numbers know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers establish whether a number up to 100 is prime and recall prime numbers up to 19 multiply numbers up to 4 digits by a one-or two-digit number using a formal written method, including long multiplication for two-digit numbers using a formal written method, including long multiplication for two-digit numbers multiply and divide numbers mentally drawing upon known facts divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remaindates appropriately for the context multiply and divide whole numbers and those involving decimals by 10, 100 and 1000 multiplication involving multiplication and division including using their knowledge of factors and multiplics, squares and cubes solve problems involving adultiplication and division including using their knowledge of factors and multiplics, squares and cubes. French estimate volume [for example, using 1 cm blocks to build cuboids (including cubes)] and capacity [for example, using water] solve problems involving converting between units of time use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. listen attentively to spoken language and show understanding by joining in and responding explore the patterns and sounds of language through songs and rhymes, and link the spelling, sound and meaning of Music engage in conversations; ask and answer questions; express opinions and respond to those of others; seek clarification and help eee and cubes involving addition, subtraction, multiplication and division and a combination of g understanding the meaning of the equals sign involving multiplication and division, including scaling by simple fractions and ring simple rates. play and perform in solo and ensemble contexts, using their voices and playing sical instruments with increasing accuracy, fluency, control and exp musical instruments with increasing accuracy, fluency, control and expression improvise and compose music for a range of purposes using the inter-related dimensions of music listen with attention to detail and recall sounds with increasing aural memory use and understand staff and other musical notations appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians develop an understanding of the history of music present ideas and information orally to a range of audiences read carefully and show understanding of words, phrases and simple writing appreciate stories, songs, poems and rhymes in the language broaden their vocabulary and develop their ability to understand new words that are introduced into familiar written material, including through using a dictionary write phrases from memory, and adapt these to create new sentences, to express ideas clearly understand basic grammar appropriate to the language being studied, including masculine and feminine; key features ar patterns of the language; how to apply these, for instance, to build sentences; and how these differ from or are similar to English. **History** Science Animals, including humans describe the changes as humans develop to old age. Viking raids and invasion resistance by Alfred the Great and Athelstan, first king of England Properties and changes of materials Festistance by Allied the Great and American, further Wiking invasions and Danegeld Anglo-Saxon laws and justice Edward the Confessor and his death in 1066 **Physical Education** a depth study linked to one of the British areas of study listed above a study over time tracing how several aspects of national history are refle (this can go beyond 1066) a study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality. 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. **Religious Education** play competitive games, modified where appropriate [for example, badminton, basketball, cricket, football, hockey, netbe rounders and tennis], and apply basic principles suitable for attacking and defending develop flexibility, strength, technique, control and balance [for example, through athletics and gymnastics] perform dances using a range of movement patterns take part in outdoor and adventurous activity challenges both individually and within a team compare their performances with previous ones and demonstrate improvement to achieve their personal best. LAS Unit 1 – Christian beliefs and lifestyles 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 inticion, that act between moving surfaces recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. LAS Unit 3 – Muslim Beliefs and Lifestyles orking scientifically planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeated readings where appropriate recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, and be and line graphs using test results to make predictions and to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of result, in oral and written forms as displays and other presentations (chemilying scientific evidence that has been used to support or refute ideas or arguments • LAS Unit 15 – What can we learn from the life of Mohammed? wim competently, confidently and proficiently over a distance of at least 25 metres use a range of strokes effectively [for example, front crawl, backstroke and brea perform safe self-rescue in different water-based situations.