## Curriculum Overview for Year 5

## Writing Reading Grammar Art & Design Computing Apply knowledge of morphology and Have a secure understanding of spelling Use modal and passive verbs Develop techniques for using different materials Design, write and debug programs to accomplish specific goals etymology when reading new rules including homophones. Use relative clauses Create sketchbooks to record observations, revisit ideas and Understand computer networks prefixes, silent letters, etc. Use brackets, dashes and commas plan further projects Use search technologies effectively Read and discuss a broad range of Use a thesaurus to improve vocabulary Improve mastery of a range of art and design techniques for parenthesis genres and texts Use a variety of software choices including drawing, painting and sculpture Learn about great artists, art movements, architects and Use devices to build cohesion Identify and discuss themes Use a Dictionary to check spellings Use technology safely and responsibly Make recommendations to others Legible, fluent handwriting designers in history Learn poetry by heart Plan writing to suit audience and Speaking & Listening Draw inferences and make predictions purpose Ask questions to improve understanding Develop character, setting and Speak fluently with a good command of Summarise main ideas atmosphere in narrative Discuss authors' use of language Standard English Use organisational and presentational Retrieve and present information features Participate in discussions, performances and from non-fiction texts Use consistent appropriate tense presentations Proof-read own work Consider and evaluate different viewpoints Perform own compositions Use appropriate register Design & Technology Geography Use research to develop design criteria Use maps and atlases Generate, develop and communicate ideas through sketches, including 3D digital mapping Locate the world's countries diagrams and prototypes Describe and understand different climate zones including Select from and use a wide range of tools, equipment rainforests Number/Calculation and materials Geometry & Measures **Fractions** Describe and understand economic activity including trade links Analyse existing products and evaluate own work and natural resources Compare the geography of the UK with another region in Eu-Work with structures, mechanical Understand place value to Convert between different units including Compare and order fractions rope and in South America units of time systems and electrical systems Add and subtract fractions with common 1,000,000 Calculate perimeter of composite shapes Prepare and cook a variety of predominantly denominators, with mixed numbers Round numbers to the nearest ten, hundred or thousand and area of rectangles savoury dishes Multiply fractions by units Estimate volume and capacity Understand the origins of a range of food products Order and compare numbers Write decimals as fractions Identify 3-D shapes Understand the principles of a healthy and varied diet Use negative whole numbers in context Order and round decimal numbers Measure and identify angles Use Roman numerals to 1000 Link percentages to fractions and decimals Understand regular polygons Use standard written methods for all four operations Reflect and translate shapes Confidently add and subtract mentally Find missing lengths and angles Modern Foreign Languages Music Use vocabulary of prime, factor and multiple <u>Data</u> Understand spoken language Play and perform music Multiply and divide by powers of ten Ask and answer questions Improvise and compose Use square and cube numbers Interpret tables and line graphs Speak in sentences using familiar vocabulary and phrases music for different purposes Solve multi-step word problems Solve questions about line graphs Develop accurate pronunciation Appreciate and understand a range of high-quality Check answers using estimation and the Understand basic grammar music from different traditions and great com posers or musicians Science Animals including humans-History describe changes as Understand the chronology of aspects of world history humans develop from Understand how our knowledge of the past is constructed from birth to old age Living things and their a range of sources habitats—describe the life cyles of mammals, amphibians, Study ancient Greek life and achievements and their influence insects and birds; describe the life process of plants on the western world Religious Education Physical Education Properties and changes of materials—compare and group Study the Mayan civilisation materials, create a solution, understand reversible and irre-Understand and explore versible changes, give reasons for the uses of everyday mate-Develop skills of running, a variety of world religions rials, test the properties of materials jumping, throwing and catchina Understand how following a Forces and magnets—understand gravity, recognise that some religion might influence an individual's life mechanisms allow a smaller force to have a greater effect. Play competitive games and apply the basic principles of attack identify the effect of water resistance, air resistance and and defence Develop flexibility, strength, balance and control Earth and space—describe the movement of the Earth and Perform dances using a range of movement patterns Take part in outdoor and adventurous challenges Compare performances and demonstrate improvement planets relative to the sun, describe the movement of the moon relevant to the earth, understand the Earth's rotation

Swim competently using a range of strokes

and its effects

accurately, make predictions

Working scientifically—plan scientific enquiries, take measurements, report and present findings, use scientific vocabulary