



Curriculum Overview for Year 5



<p>Reading</p> <ul style="list-style-type: none"> Apply knowledge of morphology and etymology when reading new words. Read and discuss a broad range of genres and texts. Identify and discuss themes Make recommendations to others Learn poetry by heart Draw inference and make predictions Discuss authors use of language Retrieve and present information from non-fiction books Formal presentation and debates 	<p>ENGLISH</p> <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 and purpose Develop character, setting and atmosphere in narrative Use organisational and presentational features Use consistent appropriate tense Proofreading Perform own compositions <p>Grammar</p> <ul style="list-style-type: none"> Use expanded noun phrases Use modal and passive verbs Use relative clauses Use commas for clauses Use brackets, dashes & commas for parenthesis <p>Speaking and listening</p> <ul style="list-style-type: none"> Give well structures explanations Command of standard English Consider and evaluate different viewpoints Use appropriate register 		<p>SCIENCE</p> <p>Earth and space</p> <ul style="list-style-type: none"> Talk about the Earth's rotation to explain day and night Describe the sun, earth and moon as roughly spherical Describe how the moon moves in relation to the earth Describe the movement of the planets in our solar system <p>Materials</p> <ul style="list-style-type: none"> Compare and group materials on the basis of their properties Describe how some materials dissolve to form substances Explain that some changes form new materials and are usually not reversible Show that some changes are reversible Give reasons based on evidence for the use of materials Use knowledge of solids, liquids and gases to separate mixtures. <p>Living things</p> <ul style="list-style-type: none"> Describe the differences in lifecycles of mammals, amphibians, insects and birds Describe the process of reproduction in some plants and animals <p>Forces and magnets</p> <ul style="list-style-type: none"> Explain the link between gravity and unsupported objects Recognise that some mechanisms allow small forces to have a greater effect Identify the effects of air resistance, water resistance and friction <p>Animals, including humans</p> <ul style="list-style-type: none"> Describe the changes to humans as they age 	<p>GEOGRAPHY</p> <ul style="list-style-type: none"> Locate the world's countries, focusing on Europe and the Americas Identify the lines and zones on a globe, including time zones Compare a UK region with one in Europe and one in the Americas Use maps, atlases, globes and digital/computer mapping 	
<p>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 4 calculations Confidently add and subtract mentally Use vocabulary of prime, factor & multiple Multiply and divide by powers of ten Use square and cube numbers <p>Geometry and Measures</p> <ul style="list-style-type: none"> Convert between different units Calculate perimeters of composite shapes & area of rectangles Estimate volume and capacity Identify 3D shapes Measure and identify angles Understand regular polygons Reflect and translate shapes <p>Fractions and decimals</p> <ul style="list-style-type: none"> Compare and order fractions Add and subtract fractions with common denominators, with mixed numbers Multiply fractions by units Write decimals as fractions Order and round decimal numbers Link percentages to decimals and fractions <p>Data</p> <ul style="list-style-type: none"> Interpret tables and line graphs Solve questions about line graphs 		<p>DESIGN AND TECHNOLOGY</p> <ul style="list-style-type: none"> Use and research criteria to develop products which are fit for purpose and aimed at specific groups Use annotated sketches, cross section diagrams and computer aided design Analyse and evaluate existing products and improve own work Use mechanical and electrical systems in own products including programming Cook savoury dishes for a healthy and varied diet Understand seasonality 	<p>MUSIC</p> <p>The class will follow the recommended music scheme "Charanga" which will teach and develop the following aspects of music:</p> <ul style="list-style-type: none"> Perform with control & expression solo and in ensembles Improvise and compose using dimensions of music Listen to detail and recall aurally Use and understand basics of staff notation Develop an understanding of the history of music, including great musicians and composers 		
<p>History</p> <ul style="list-style-type: none"> Tudor exploration or Battle of Britain (an aspect of British history extending past 1066) Egyptians 		<p>RELIGIOUS EDUCATION</p> <p>The class will follow the locally agreed syllabus for Dorset, supported by Understanding Christianity and Discovery RE Schemes of work</p>		<p>ART AND DESIGN</p> <ul style="list-style-type: none"> Use sketchbooks to collect, record, review, revisit and evaluate ideas Improve mastery of techniques e.g drawing, painting and sculpture with varied materials Learn about great artists, architects and designers 	<p>MODERN LANGUAGES</p> <ul style="list-style-type: none"> Listen and engage Engage in conversations, expressing opinions Speak in simple language and be understood Develop appropriate pronunciation Show understanding in simple reading Adapt known language to create new ideas Describe people, places and things Understand basic grammar eg. gender
					<p>COMPUTING</p> <ul style="list-style-type: none"> Create a range of digital products (including for handling data) Use search technologies effectively Use technology safely, respectfully and responsibly
					<p>PHYSICAL EDUCATION</p> <ul style="list-style-type: none"> Use running, jumping, throwing, catching, in isolation and in combination Play competitive games, applying basic principles Develop flexibility and control in gym, dance and athletics Compare performances to achieve personal bests Swimming proficiency at 25m Take part in outdoor and adventurous activities