

<b><u>English</u></b>		<b><u>Mathematics</u></b>	
<b>Reading</b> <ul style="list-style-type: none"> <li>Apply knowledge of morphology and etymology when reading new words</li> <li>Read and discuss a wide range of different genres</li> <li>Identify and discuss themes within books</li> <li>Make recommendations</li> <li>Learn poetry by heart</li> <li>Draw inference and make predictions</li> <li>Discuss author's use of language</li> <li>Retrieve and present information from a non-fiction text</li> <li>Produce formal presentation and debates about books</li> </ul>	<b>Writing</b> <ul style="list-style-type: none"> <li>Secure spelling</li> <li>Know how to use a thesaurus</li> <li>Produce legible and fluent handwriting</li> <li>Consider audience and purpose when planning writing</li> <li>In narrative develop the character, atmosphere and setting</li> <li>Use organisational and presentational features of genre</li> <li>Use consistent, appropriate tense throughout writing</li> <li>Proof read own writing and make changes</li> <li>Perform own writing</li> </ul>	<b>Vocabulary, grammar and punctuation</b> <ul style="list-style-type: none"> <li>Use expanded noun phrases</li> <li>Use modal and passive verbs</li> <li>Use relative clauses</li> <li>Use commas for clauses</li> <li>Use brackets, dashes and commas for different purposes</li> </ul> <b>Speaking and listening</b> <ul style="list-style-type: none"> <li>Produce well-structured explanations</li> <li>Know and use standard English</li> <li>Consider and evaluate different viewpoints</li> </ul>	<b>Number and place value/Calculation</b> <ul style="list-style-type: none"> <li>Secure place value to 1,000,000</li> <li>Use negative whole numbers in context</li> <li>Use Roman numerals to 1000</li> <li>Use standard written methods for all four operations</li> <li>Confidently add and subtract mentally</li> <li>Use vocabulary for prime, factor and multiple</li> <li>Multiply and divide by powers of ten</li> <li>Use square and cube numbers</li> </ul> <b>Geometry and measures</b> <ul style="list-style-type: none"> <li>Convert between different units</li> <li>Calculate perimeter of composite shapes and areas of rectangles</li> <li>Estimate volume and capacity</li> <li>Identify 3d shapes</li> <li>Measure and identify angles</li> <li>Understand regular polygons</li> <li>Reflect and translate shapes</li> </ul> <b>Data</b> <ul style="list-style-type: none"> <li>Interpret tables and line graphs</li> <li>Solve questions about line graphs</li> </ul> <b>Fractions</b> <ul style="list-style-type: none"> <li>Compare and order fractions</li> <li>Add and subtract fractions with common with common denominator/mixed numbers</li> <li>Multiply fractions by units</li> <li>Write decimals as fractions</li> <li>Link percentages to fractions and decimals</li> </ul>
<b><u>History</u></b> <b>Who were the Anglo-Saxons? How did the German invasion impact on Manchester?</b> <ul style="list-style-type: none"> <li>Britain's settlement by the Anglo-Saxons</li> <li>A study of an aspect or theme in British history that extends pupils'</li> </ul>	<b><u>Geography</u></b> <b>Why should the rainforests be important to us all? What's so special about the USA?</b> <ul style="list-style-type: none"> <li>Locate the worlds countries focusing on Europe and North and South America</li> <li>Name and locate counties, cities, regions and features of the UK</li> </ul>	<b><u>Science</u></b> <b>Plants and animals</b> <ul style="list-style-type: none"> <li>Describe the changes as humans develop into old age</li> <li>Describe the differences in life cycles of different animals</li> <li>Describe the life process of reproduction in some plants and animals</li> </ul> <b>Properties and changes in materials</b> <ul style="list-style-type: none"> <li>Compare and group together everyday materials according to properties</li> <li>Give reasons for the uses of everyday materials</li> </ul>	

<p>chronological knowledge beyond 1066</p>	<ul style="list-style-type: none"> <li>• Understand latitude, longitude, equator, hemispheres, tropics, polar circles and time zones</li> <li>• Understand biomes, vegetation belts, land use, economic activity, resources</li> <li>• Use 4 and 6 figure grid references on OS maps</li> <li>• Use fieldwork to record and explain areas.</li> </ul>	<ul style="list-style-type: none"> <li>• Know that some materials dissolve in a liquid to form a solution and describe how to recover a material from a solution</li> <li>• Know how to separate mixtures</li> <li>• Demonstrate and explain changes that are reversible and irreversible</li> </ul> <p>Earth and space</p> <ul style="list-style-type: none"> <li>• Describe movement of Earth, other planets and the moon</li> <li>• Describe the appearance of the sun, Earth and moon</li> <li>• Explain the concept of day and night in relation to rotation</li> </ul> <p>Forces</p> <ul style="list-style-type: none"> <li>• Understand and explain the force of gravity and the effects of air resistance, water resistance and friction</li> <li>• Recognise how a smaller force can have a greater affect</li> </ul>
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<p><b>Computing</b></p> <ul style="list-style-type: none"> <li>• Design and write programs to solve problems</li> <li>• Use sequence, repetition, inputs and outputs in programs</li> <li>• Detect and correct errors in programs</li> <li>• Understand uses of networks for collaboration and communication</li> <li>• Be discerning in evaluating digital content</li> </ul>	<p><b>Music</b></p> <ul style="list-style-type: none"> <li>• Play and perform with control and expression in solo and ensembles</li> <li>• Improvise and compose using dimensions of music</li> <li>• Listen to detail and recall aurally</li> <li>• Use and understand staff and other notations</li> <li>• Appreciate and understand a range of high quality recorded and live music</li> <li>• Develop an understanding of the history of music</li> </ul>	<p><b>PE</b></p> <ul style="list-style-type: none"> <li>• use running, jumping, throwing and catching in isolation and in combination</li> <li>• play competitive games, and apply basic principles suitable for attacking and defending</li> <li>• develop flexibility, strength, technique, control and balance</li> <li>• perform dances using a range of movement patterns</li> <li>• take part in outdoor and adventurous activity challenges both individually and within a team</li> <li>• compare their performances with previous ones and demonstrate improvement to achieve their personal best</li> <li>• swim competently, confidently and proficiently over a distance of at least 25 metres</li> <li>• use a range of strokes effectively [for example, front crawl, backstroke and breaststroke]</li> <li>• perform safe self-rescue in different water-based situations.</li> </ul>
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<p><b>Art and Design</b></p> <ul style="list-style-type: none"> <li>• Use sketch books to collect, record, review, revisit and evaluate ideas</li> <li>• Improve mastery of techniques such as drawing, painting and sculpture with varied materials</li> <li>• Learn about great architects, artists and designers</li> </ul>	<p><b>Design Technology - Mechanisms</b></p> <ul style="list-style-type: none"> <li>• Use research and criteria to develop products which fit purpose and users</li> <li>• Use detailed annotated sketches, diagrams and computer aided design</li> <li>• Evaluate own products and use to make improvements</li> <li>• Use mechanical systems in own products, including programming</li> </ul>	<p><b>RE</b></p> <ul style="list-style-type: none"> <li>• The Bible</li> <li>• Christmas</li> <li>• Signs and Symbols</li> <li>• Easter</li> <li>• Journeys and Pilgrimage</li> </ul>	<p><b>Languages</b></p> <ul style="list-style-type: none"> <li>• Engage in conversations expressing opinions</li> <li>• Speak in simple language and be understood</li> <li>• Develop appropriate pronunciation</li> <li>• Present ideas and information orally</li> <li>• Show understanding in simple reading</li> <li>• Adapt known language to create new ideas</li> <li>• Describe people, places and things</li> <li>• Understand basic grammar</li> </ul>
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