



## Curriculum Overview: Year 6 Academic Year 2022-23

Subject	Autumn	Spring	Summer
English	<p style="text-align: center;"><b>Class Text –</b>  <b>Skellig by David Almond</b> - setting focus  <b>Non-Fiction:</b> Persuasion  <b>The Iron Man by Ted Hughes</b> – character focus  <b>Non-Fiction:</b> Instruction text</p> <p style="text-align: center;"><b>Reading</b>  <b>DERIC Questions</b> – A range of decoding, explanation, reasoning, inference and choice questions.            Comprehension practice – Skills and timing</p>	<p style="text-align: center;"><b>Class Text –</b>  <b>Foxglove by Pie Corbett</b> - Fantasy fiction  <b>Non-Fiction:</b> A newspaper report  <b>Holes by Louis Sachar</b> - Warning tale  <b>Non-fiction:</b> Letter</p> <p style="text-align: center;"><b>Reading</b>  <b>DERIC Questions</b> – A range of decoding, explanation, reasoning, inference and choice questions.            Comprehension practice – Skills and timing</p>	<p style="text-align: center;"><b>Class Text –</b>  <b>The Worst Princess by Anna Kemp</b> -Challenging stereotypes  <b>Non-Fiction:</b> Discussion text  <b>Kensuke’s Kingdom by Michael Morpurgo</b>            building suspense  <b>Non-fiction</b> – information text</p> <p style="text-align: center;"><b>Reading</b>  <b>DERIC Questions</b> – A range of decoding, explanation, reasoning, inference and choice questions.            Comprehension practice – Skills and timing</p>
Maths	<p style="text-align: center;"><b>Maths No Problem</b>            Number and Place Value            Addition and Subtraction            Multiplication and Division            Fractions            Decimals            Measurements            Word Problems            Percentage            Times tables related 12 x 12 facts            Mental arithmetic and Reasoning</p>	<p style="text-align: center;"><b>Maths No Problem</b>            Ratio            Algebra            Area and Perimeter            Volume            Geometry            Position and Movement            Number and Place Value + 4 operations            Word Problems            Mental arithmetic and Reasoning            Times tables related 12 x 12 facts</p>	<p style="text-align: center;"><b>Maths No Problem</b>            Graphs and Averages            Negative Numbers            Number and Place Value + 4 operations            Mental arithmetic and Reasoning            Word Problems            Maths Project            Times tables related 12 x 12 facts</p>

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Science	<p><b><u>Evolution and Inheritance</u></b></p> <ul style="list-style-type: none"> <li>• Know the theory of evolution</li> <li>• Explain what natural selection is</li> <li>• Explore and challenge modern scientific approaches to genetic modification</li> </ul> <p><b><u>Light</u></b></p> <ul style="list-style-type: none"> <li>• Describe what a ray of light is and how it travels.</li> <li>• Describe materials in terms of their optical properties.</li> <li>• Explain the effect of lenses.</li> </ul> <p><b><u>Electricity</u></b></p> <ul style="list-style-type: none"> <li>• Recall parts of a circuit and their functions</li> <li>• Explain the impact of adding to, or removing components from, a circuit</li> <li>• Build and create circuit models</li> </ul>	<p><b><u>Living things and their habitats</u></b></p> <ul style="list-style-type: none"> <li>• Know the six kingdoms of life and name some examples within them</li> <li>• Describe different classes of vertebrates</li> <li>• Explain what lives in soil habitats</li> </ul> <p><b><u>Working Scientifically</u></b></p> <ul style="list-style-type: none"> <li>• Ensuring fair tests, asking scientific questions, planning scientific investigations planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary</li> <li>• Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</li> <li>• Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs</li> <li>• Using test results to make predictions</li> <li>• To set up further comparative and fair tests</li> <li>• Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations</li> <li>• Identifying scientific evidence that has been used to support or refute ideas or arguments</li> </ul>	<p><b><u>Animals including humans</u></b></p> <p><b><u>Blood and Transportation</u></b></p> <ul style="list-style-type: none"> <li>• Describe the composition of blood and the functions of its components</li> <li>• Describe how our body cares for the health of our blood</li> <li>• Explain the importance of bacteria for our health</li> </ul> <p><b><u>The Heart and Health</u></b></p> <ul style="list-style-type: none"> <li>• Know how the heart functions and how blood is pumped around the body</li> <li>• Explain how to prevent disease by maintaining a healthy diet</li> <li>• Explore the human heart, understanding what affects heart rate</li> </ul>
Computing	Online Safety History of computers	Online safety Computing Systems and Networks – Bletchley Park	Online Safety Understanding barcodes, QR codes and RFID

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	Internet of things	Using software to create presentations	Understand different programming languages
History	How has crime and punishment changed across the ages?	What happened to the Kingdom of Benin?	How did WW2 affect the people of Molesey?
Geography	Would you live near a volcano?	How are places similar and different?	Are we damaging our local area?
Art and design	Introduction to sketchbooks, Zentangle Learning about Edward Hopper	Still Life	Painting & Mixed Media
Design and technology	Structures: Playground	Electrical Systems: Steady hand game	Food: Come Dine with Me
Religious Education	Prayer and Worship Symbols and Artefacts	Celebration Religious Attire	Food and Mutual Respect Symbol or Images
French	Actions: verbs and directions In France: Food and locations	Seasons A Weekend with Friends	The Environment - weather
Music	How Does Music Bring Us Together? How Does Music Connect Us with Our Past?	How Does Music Improve Our World? How Does Music Teach Us about Our Community?	How Does Music Shape Our Way Of Life? How Does Music Connect Us With the Environment?
Physical Education	<p><b>Football</b> – use running, jumping, throwing and catching in isolation and in combination, and apply basic principles suitable for attacking and defending</p> <p><b>Basketball</b> - basic movements including running, jumping, throwing and catching and begin to apply these in a range of activities. Participate in team games, developing simple tactics for attacking and defending.</p> <p><b>Hockey</b> - apply basic principles suitable for attacking and defending</p> <p><b>Gymnastics</b> - develop flexibility, strength, technique, control and balance</p>	<p><b>Dodgeball</b> – different throwing techniques with good accuracy, pace, and consistency.</p> <p><b>Netball</b> - Apply basic principles for attacking and defending, choosing different formations to suit the need of the game.</p> <p><b>Dance</b> – perform dances using a range of movement patterns</p> <p><b>Orienteering</b> - Use a map to confidently orientate yourself around - Use previous knowledge to navigate and design a route to the controls.</p>	<p><b>Rounders</b> - Participate in competitive games, modified where appropriate.</p> <p><b>Athletics</b> - Understand and apply appropriate pace judgement for the running distance to be covered.</p> <p><b>Tennis</b> - hit the ball with purpose, varying speed, height, and direction. Direct the ball towards the opponent's court or target area. Perform skills such as forehand and backhand shots with control and confidence.</p> <p>Understand and apply the appropriate throwing and jumping technique to achieve maximum distance and height.</p> <p><b>Fitness</b> – to build body strength and fitness</p>

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<b>PSHE</b> <i>Jigsaw</i>	Being me in my world: My year ahead, Being a Global citizen The Learning Charter, Consequences, Owing our learning charter Celebrating differences. Mind up	Dreams and goals. Healthy me  Mind up	Relationships Changing me (living and growing)  Mind up
<b>Educational            Visits</b>	Residential (October) - PGL	British Museum	Leavers trip Elmbridge Junior Citizen