

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
<b>Mathematics</b>	The children will secure their understanding of place value, comparing and ordering numbers up to one million. They will use their knowledge of place value to help them with written and mental addition, subtraction, multiplication and division skills. They will also look at statistics such as graphs and charts. The children will apply these skills to a mixture of real life problems, puzzles and patterns.		The children will begin to develop and extend their knowledge and understanding of fractions, decimals and percentages, including converting between them. They will look at Maths vocabulary such as prime numbers and squares, thinking about strategies to learn them. The children will apply these skills to a mixture of real life problems, puzzles and patterns, thinking about a wider variety of problem solving and reasoning strategies.		The children will explore measurements such as area and volume, comparing and measuring in cm and cm squares. They will learn about different types of angles and use a protractor, before extending their understanding of position and direction. They will also convert metric measures and be introduced to some imperial measures. The children will apply these skills to a mixture of real life problems, puzzles and patterns, securing their reasoning skills in preparation for Y6.	
<b>English</b>	<p><b>Writing to Entertain - Narrative chapter</b> The children will read the book 'Cogheart'. They will explore different ways to create tension and atmosphere to evoke an emotional response. They will develop their knowledge of complex sentences and parenthesis. They will then write their own missing chapter.</p> <p><b>Writing to Persuade - Speech</b> The children will look at the book 'Suffragette: The Battle for Equality' and read a variety of extracts and look at specific persuasive features. They will write their own persuasive speech in role as a suffragette.</p> <p><b>Writing to Entertain – Kenning poems</b> The children will learn the features of kenning poems and develop their knowledge of adjectives and ambitious vocabulary.</p>		<p><b>Writing to Entertain – Narrative ending</b> The children will read and explore the book 'A Kind of Spark'. They will develop their knowledge of punctuating dialogue, interweaving it with description. The children will consider a range of openings and will predict and write an alternative ending.</p> <p><b>Writing to Inform – Explanation</b> The children will use the text 'How a Lighthouse works' to explore the features of explanation texts. They will build on their work in Year 4, developing their use of a range of sentence types appropriate to the purpose.</p> <p><b>Writing to Entertain – Free Verse poetry</b> The children will have the opportunity to be creative and use their imagination to write poetry on a theme.</p>		<p><b>Writing to Entertain – Narrative short story</b> The children will explore the book 'Nevermoor', thinking about themes and characters. They will expand their knowledge of ways of opening and closing stories to write their own new adventure with similar settings and characters.</p> <p><b>Writing to Inform – Fact file</b> The children will read the book 'Amazing Muslims who changed the World' and use note taking and summary skills to find out information. They will develop their knowledge of writing rhetorical questions and express their viewpoint. They will then write their own fact-file about a famous figure.</p> <p><b>Writing to Entertain – Narrative poetry</b> The children will enjoy and perform a variety of humorous narrative poems such as 'Matilda' and 'Albert and the Lion'</p>	
<b>Science</b>	<p><b>Properties of materials</b> Children will learn how to compare and group together everyday materials on</p>	<p><b>Changes of Materials</b> Children will learn how to: describe how to recover a substance from a solution;</p>	<p><b>Animals including Humans</b> The children will learn how to describe the changes as humans</p>	<p><b>Living things and their habitats</b> The children learn new concepts such as asexual reproduction</p>	<p><b>Earth and Space</b> This unit gives children the opportunity to star-gaze by learning more about the Earth</p>	<p><b>Forces</b> Children learn how to: explain that unsupported objects</p>

	<p>the basis of their properties; know that some materials will dissolve in liquid to form a solution, use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating. Finally, they learn how to give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.</p>	<p>demonstrate that dissolving, mixing and changes of state are reversible changes; and finally, they learn how to explain that some changes result in the formation of new materials and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.</p>	<p>develop to old age. They will draw timelines to show the stages and will link to PSHE work on growing up. The children will compare human and animal life cycles.</p>	<p>and metamorphosis to help them understand how life cycles are constantly progressing. A blend of science and creativity will capture the children's imagination during our Mission Assignments, where they will have the opportunity to dissect an egg, pretend to be David Attenborough or Jane Goodall as they research their favourite creature and even create their own reports on world-renowned scientists.</p>	<p>and the celestial bodies in our solar system. Starting with an exploration of each planet - from Mercury to Neptune - this unit then explores how scientific ideas surrounding Earth's movement and placement have changed and developed over time.</p>	<p>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 friction, that act between moving surfaces; and finally, they learn how to recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.</p>
<b>History/Geography</b>	<p><b>South America to the UK - The Journey of Chocolate</b> Children will learn about where chocolate comes from, looking at the impact of human land use and describe economic activity and trends.</p>	<p><b>Who Holds the Power?</b> The children will learn about the concept of power throughout the eras, investigating in more depth how religion, government and class have influenced power dynamics.</p>	<p><b>The First World War</b> The children will learn about how World War 1 started, learn about the timeline of events and the location of the countries involved.</p>	<p><b>Fragile Earth</b> The children will find out about our planet. They will find out about the impact of human land use and think about different biomes around the world.</p>	<p><b>Early Islamic Civilisation</b> The children will learn about the significance and importance of Baghdad and the House of Wisdom and some of the key figures who studied there and how they have influenced modern times.</p>	<p><b>Natural Resources</b> The children will understand the distribution of natural resources around the world. They will develop their knowledge about economic activity and trends.</p>
<b>Art/DT</b>	<p><b>Sculpture</b> The children will begin to develop an understanding of perspective. They will use shading techniques to demonstrate form and use papier mâché to create a sculpture.</p>	<p><b>Food Technology</b> The children have the opportunity to research different brands and types of biscuit. They learn about the nutritional information on labels and use a variety of baking techniques to make their own cookies.</p>	<p><b>Post-impressionism</b> The children will focus on colour, developing their knowledge of shades, hues, tones and tints. They will create detailed drawings and create textured effects in a piece of art in the style of Vincent Van Gogh.</p>	<p><b>Textiles – Combining different fabric shapes</b> Children investigate and analyse existing products, thinking about the function of products. They develop their sewing skills by making seams and learning new stitches.</p>	<p><b>Political Graffiti</b> The children develop their observational drawing skills. They develop patterns using overlays and will create a relief pattern using wax resist techniques.</p>	<p><b>Mechanisms – Pulleys and Gears</b> The children evaluate everyday products and develop their understanding of each product through drawing. They use construction kits to combine gears and pulleys.</p>

<b>Computing</b>	<b>Coding</b> The children will design a program and create a code to represent it. They will create their own playable, competitive game using a variety of variables.	<b>Database</b> The children will learn how to search for information using a database, contribute to a class database and create their own topic-based database.	<b>3D Modelling</b> The children will be introduced to design programs and will design a building. They will explore designing for a purpose and print a 2D/3D model.	<b>Concept Maps</b> The children will create a basic concept map and use it for a purpose. They will present their ideas to an audience using presentation software.	<b>Word Processing</b> The children will learn about adding images, considering copyright. They will edit images and add formatted text to a document. The children will learn how to use tables to present information.	
	<b>Online Safety</b> Throughout the year, the children will be thinking about all aspects of their online life and considering how to be safe and responsible while using the internet and technology.					
<b>R.E.</b>	<b>What does it mean for Christians to believe that God is holy and loving?</b>	<b>What does it mean to be a Muslim in Britain today?</b>	<b>Why do Christians believe Jesus was the Messiah?</b>	<b>What is the Torah important to Jewish people?</b>	<b>How do Christians decide how to live? 'What would Jesus do?' (Gospel)</b>	<b>What matters most to Humanists, Christian and non-religious?</b>
<b>P.E.</b>	<b>Gymnastics</b>  <b>Football</b>	<b>Dance</b>  <b>Netball</b>	<b>Gymnastics</b>  <b>Hockey</b>	<b>Dance</b>  <b>Tennis</b>	<b>Cricket</b>	<b>Athletics</b>
<b>PSHE</b>	<b>Empathising with others</b> The children will learn how to view things from different points of view	<b>Experiencing different cultures</b> The children will learn about the different cultures in our community	<b>Aspirations for the future</b> The children will learn about different careers	<b>Positive image</b> The children will find out how to create a positive image, including thinking about media images.	<b>Recognising feelings and overcoming difficulties</b> The children will learn about managing emotions	<b>Growing up</b> The children will learn about changes, including puberty.
<b>MFL</b>	<b>My school, my subject</b>	<b>Time in the City</b>	<b>Healthy Eating – going to the market</b>	<b>Clothes, colours and fashion</b>	<b>Out of this world</b>	<b>Going to the seaside</b>
<b>Music</b>	<b>Melody and Harmony in Music</b> Children will understand and compare melody and harmony in music. They will explore the different voices and instruments which create melodies and harmonies in music	<b>Sing and Play in Different Styles</b> Children will learn about music from around the world. They will focus on how tempo of music can change.	<b>Composing and Chords</b> Children will learn how to create chords. They will create their own accompaniment using chords to make it more interesting.	<b>Enjoying Musical Styles</b> The children will listen and respond to reggae, pop and orchestral music. They will learn about texture in music and play and improvise using up to ten different notes.	<b>Freedom to Improvise</b> Children will explore the use of 'intervals' in music and will use these to compose their own pieces.	<b>Battle of the Bands</b> Children will create their own performances in small groups. They will consider their audience and what they might want to see/hear.