

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
<b>Mathematics</b>	<p>The children will focus on deepening their knowledge of number in Autumn Term. They will begin with place value, comparing, writing, and ordering numbers up to ten million. They will look at the properties of numbers and secure their mathematical vocabulary. The children will focus on the four operations and will calculate mentally and using formal written methods. They will look at BODMAS and complete complex calculations using fractions. The children will also apply their knowledge to real-life situations, thinking about how to use and select different problem solving strategies.</p>		<p>The children will learn about converting measures including using the full range of metric measures and being introduced to imperial measures such as miles and ounces. They learn the principles of algebra including how to use algebra to work out area, perimeter and volume. They continue to develop their skills in reading a variety of bar and line graph. The children will be introduced to pie charts and will read and construct their own. As part of further statistic work, the children will understand the 'mean average' and learn how to calculate it.</p>		<p>The children spend the first half of the term revising for their end of year tests. All topics from across Years 3-6 will be revised with a particular focus on securing arithmetic skills ready for Secondary School. They will secure their fluency skills and ensure that they can select a correct strategy when problem solving and reasoning. They will also look at the properties of different shapes including parts of a circle. The children will then complete a Maths project to introduce them to higher level concepts and allow them to apply their skills across the curriculum.</p>	
<b>English</b>	<p><b>Writing to Entertain - Narrative chapter</b> The children will be reading the text 'The Haunting of Aveline Jones' and exploring the vocabulary linked to a horror genre, using a wide range of cohesive devices and creating tension. This will lead to the children writing a missing chapter.</p> <p><b>Writing to Persuade – Speech</b> The children will look at two texts 'Earth Heroes' and 'Talking History'. They will look at choosing appropriate vocabulary in the correct register, maintaining purpose and use persuasive features. Their outcome will be to write a persuasive speech about the environment.</p> <p><b>Writing to Entertain – Narrative poetry</b> Year 6 will be looking at the poem 'The Highwayman'. They will explore symbolism for effect and write in role as a character.</p>		<p><b>Writing to Entertain – Narrative historical story</b> The children will use the book 'When the Sky Falls' to develop their knowledge of historical settings and characters. They will learn about the active and passive voice and expand their knowledge of pronouns. The children will use dialogue to advance the action in their own historical short stories.</p> <p><b>Writing to Inform – Biography</b> The children will develop their use of complex sentences, using multiple clauses for effect. They will collect subject specific vocabulary and further develop their knowledge of active and passive voice. The children will learn the features of biographies and write their own based on the book 'Holes'.</p> <p><b>Writing to Entertain – Poetry on a theme</b> The children will read poems about Manchester before writing their own poem based on 'This is the Place'.</p>		<p><b>Writing to Entertain – Narrative from another point of view</b> The children will explore the book 'Ballet Shoes in Syria'. They will develop their knowledge of the characters and will write from different points of view. The children will develop their knowledge of grammar, writing sentences in the subjunctive voice and will secure their knowledge of word classes.</p> <p><b>Writing to Inform/persuade – Letter</b> The children will use the book 'Skyward' to revise the features of information and persuasive texts. They will write a formal letter using a combination of the features.</p> <p><b>Writing to Entertain – Classic poetry</b> The children will read a variety of classic poems linked to the theme of water. They will analyse the language and structure of 'Sea Fever', before writing their own nature poem based on the features.</p>	

<b>Science</b>	<b>Evolution and Inheritance</b> The children will learn about inherited traits and apply their knowledge to various animals and plants, before being introduced to the work of Charles Darwin. The children will learn about the fascinating history of the human race and discover links between extinct animals and those which are still living today.	<b>Animals Including Humans</b> The children will learn how to identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood. They will recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function; and finally, they learn how to describe the ways in which nutrients and water are transported within animals, including humans.	<b>Living things and their habitat</b> The children will identify the kingdoms of life and classify living things within those kingdoms. The children will be introduced to the Linnean system of classification and will be able to develop their practical scientific skills through investigating mould growth on bread and mushroom spore dispersal.	<b>Electricity</b> The children will learn how to associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit; they learn how to compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches; and finally, they use recognised symbols when representing a simple circuit in a diagram.	<b>Light</b> Children will learn how to recognise that light appears to travel in straight lines; use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye; explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes. They will also further explore shadows, building on work from Year 3.	<b>Looking after our Environment</b> The children will explore the core environmental concepts – 'what the climate is, how it changes, the difference between a man-made and natural environment and where different types of animals live'. They will develop their investigation skills and will think about sustainability.
<b>History/Geography</b>	<b>Discovering Dhaka- Population and Globalisation</b> Children will learn where Dhaka is and what life is like there. They will understand how globalisation has affected industry and populations and explain the impacts of climate change on Earth's physical systems.	<b>The Industrial Revolution</b> The children will learn what impact the industrial revolution had through a range of sources, investigating how this period changed technology and society.	<b>The Second World War</b> The children will learn about WWII in Europe and understand why it started. They will look at some major events leading up to the Battle of Britain and develop a familiarity with the location of the countries involved.	<b>The UK and the USA: A Special Relationship</b> The children will learn the key cities, countries and states of North America and explore physical geography, including climate zones, vegetation belts, rivers and mountains.	<b>Stone Age to Iron Age Britain</b> The children will learn about life in Britain from the Stone Age to the Iron Age, understand the chronology of time and learn about the culture and how areas changed over time.	<b>Glorious Great Britain and the National Parks</b> The children will learn about the creation of Britain's national parks, comparing and contrasting the physical geography of different parts of the UK.
<b>Art/DT</b>	<b>Industrial Landscapes of the North</b> The children will develop their knowledge of line and colour to create depth within a picture. They will develop their	<b>Food Technology</b> The children will learn about different ingredients and design a simple recipe. They will taste different pizza toppings, before	<b>Op Art</b> The children will use a wide range of sketching techniques to create illusions. They will develop their knowledge of pattern, texture, colour and	<b>Structures – Frame Structures</b> The children will use construction kits to build 2D frameworks and paper products to make 3D frameworks. They will	<b>Renaissance Sculpture</b> The children will develop their knowledge of sketching and shading to complete drawings. They will create sculptures	<b>Electrical Systems – More Complex Switches</b> The children will explore a range of electrical systems that can be used to control products. They

	drawing skills to create a drawing in the style of L.S. Lowry.	making their own pizza using different cooking techniques.	shape to create detailed artwork.	make their own small-scale frame structure using tools to measure, cut, shape and join.	using wire and Modroc.	will write control programmes and use these to design and make their own electrical product.
<b>Computing</b>	<b>Coding</b> The children will design games and use variables. They will debug their own code, include interactivity and make a text-based adventure game	<b>Blogging</b> The children will learn how to write a blog for a particular purpose. They will contribute to an existing blog, understanding how to do so safely, and peer assess their blogs	<b>Text Adventures Networks</b> The children will plan a story adventure, recording their ideas. They will introduce a map and code their adventure using different functions and variables	<b>Quizzing</b> The children will learn how to make picture and text based quizzes. They will learn how to make a quiz involving searching a database and test adults and their peers.	<b>Understanding Binary</b> The children will count from 0 in binary using a visual aid. They will convert numbers to binary and check their own answers. They can control games using binary values.	<b>Spreadsheets</b> The children will create a spreadsheet to answer a mathematical question. They will learn some common shortcuts and use a spreadsheet to solve a problem.
	<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>Creation and Science: conflicting or complementary?</b>	<b>Why do some people believe in God and some people not?</b>	<b>Why do Hindus want to be good?</b>	<b>What do Christians believe Jesus did to 'save' people</b>	<b>For Christians, what kind of king was Jesus? (Kingdom of God)</b>	<b>How does faith help people when life gets hard?</b>
<b>P.E.</b>	<b>Gymnastics</b>	<b>Dance</b>	<b>Gymnastics</b>	<b>Dance</b>	<b>Rounders</b>	<b>Athletics</b>
	<b>Tag Rugby</b>	<b>Basketball</b>	<b>Golf</b>	<b>Tennis</b>		
<b>PSHE</b>	<b>Being a global citizen</b> The children will learn about living in the wider world	<b>Understanding differences</b> The children will learn about tolerance and acceptance.	<b>Making a difference</b> The children will find out what they can do to make the world a better place.	<b>Looking to the future</b> The children will set goals and think about careers.	<b>Managing feelings and staying safe</b> The children will learn about safety in school and the community.	<b>Growing Up</b> The children will learn about changes including puberty.
<b>MFL</b>	<b>Everyday Life</b>	<b>Where I live</b>	<b>Playing and Enjoying Sport</b>	<b>This is Me – hobbies</b>	<b>Eating Out – Café culture</b>	<b>French celebrations and events</b>
<b>Music</b>	<b>Wider opportunities</b> The children will work with a specialist teacher from Essa Academy to learn a variety of percussion instruments and develop listening appreciation.	<b>Music Technology</b> The children begin to understand about how Digital Audio Workstations work and begin to develop skills in music production.	<b>Creative Composition</b> The children will explore music that is harmonically interesting. They will learn about chords and how these form a melody.	<b>Musical Styles Connect Us</b> The children listen and respond to rock, folk and pop songs. They think about how different styles of music have developed.	<b>Farewell Tour</b> The children will explore how music connects us with our environment. They prepare a performance using the skills they have learned this year.	<b>End of Year Production</b> Children focus on singing solo, in groups and as a choir to perform songs for a Y6 production