



King Athelstan Science Curriculum

	Autumn	Spring	Summer
EYFS	ELG: The Natural World Children at the expected level of development will: - Explore the natural world around them, making observations and drawing pictures of animals and plants; 15 - Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class; - Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.		
Year 1	<u>'Marvellous Me'</u> Plants, seasons and weather Looking at the names of plants and trees also the different parts of plants and trees. Also looking at the different seasons and how the weather and day light changes in each Living Things - Humans Names for body part and sense and what sense controls each body part	<u>'Time Travellers'</u> Materials and their properties Looking at identifying what an object is made from. Differentiating between the object and the material. Having a first look at suitability and which is the best material for a job (3 little pigs)	<u>'All Creatures Great and Small'</u> Living Things - Animals Looking at identifying the names of different animals. Looking at what they eat and introducing the vocabulary herbivore, carnivore and omnivore
Year 2	<u>'Where do we belong?'</u> Living Things - Alive, Dead and Non Living Looking at the requirements for all living things and that all the requirements must be met for something to be alive. Looking at how living things get their food and where they live - why and how do they live there?	<u>'Diary of a London Kid'</u> Properties and Materials Can an object be made from multiple materials? What are the best uses for specific materials? Looking, in more detail, at the best suitability of a material for a job	<u>'Brave Explorers'</u> Animals Including Humans Looking at the different food groups for humans and a balanced diet. Looking at hygiene and exercise. Living things Looking at how plants get their food and life cycles of animals
Year 3	<u>'Dawn of Man'</u> Rocks Examining the different types of rocks and how they differ from one another. Looking at soil and the different layers of the Earth	<u>'Wild at Heart'</u> Animals including humans Looking at the human skeleton and how it allows us to move. Living things - plants	<u>'Do Machines Dream of Electric Sheep?'</u> Forces and magnets That magnets attract and repel other metals and have a north and south pole Light and shadow

		Also the impact of diet on our bodies. What are the things that a plant needs to grow	Examining how we need light and that the absence causes shadow; that light can bounce and be blocked
Year 4	<u>'Revolting People of Planet Earth'</u> Animals including humans Looking at the digestive system and the organs involved, including teeth States of matter What makes a gas, liquid and solid and how are they made? Also looking at some substances that are 'in between'	<u>'Age of Empire'</u> Electricity Looking the different source of electricity (mains and battery). What is needed for a fully working circuit and the dangers of electricity Sound Learning that sounds comes in waves and demonstrating this. Also looking at pitch, volume and frequency	<u>'Tales of the Bearly Believeable'</u> Living Things Looking at different habitats and the animals that live there. Also looking for the first time at classifying animals based on their features. Finally looking at food webs
Year 5	<u>'The Great Invaders'</u> Forces Looking at a variety of forces and how they work in our lives, EG: friction, air and water resistance, thrust, gravity. Also looking at weight and mass Space Looking at the names for the bodies in our solar system, how they move and the relationships between them	<u>'Clash of the Titans'</u> Living things Looking at live cycles of animals and metamorphosis in some of them. Looking at time frames for each stage. Investigating plants and how they reproduce	<u>'The Adventures of my Other Self'</u> Materials and properties and their changes Looking at solutes, solvents and solutions. How can they be added and separated in varied ways? How some changes are reversible and how some are not. Their properties from more of a scientific approach including with heat and electricity
Year 6	<u>'The Unexplained'</u> Light and Shadow Looking at man-made and natural light and how our eyes perceive light and react to it. Also looking at the colour spectrum and refraction	<u>'Into The Forest'</u> Animals including humans Looking at the circulatory system and how it is different during different situations. Examining the make up of blood Living things and their habitats Looking at how to classify animals and the Linnaeus system of classification, considering key similarities and differences	<u>'Battles That have Shaped Our World'</u> Evolution Looking at Darwinism and how humans look the way they do. Thinking about how adaptations led to evolution and the survival of the fittest, and how environment can force change Electricity Looking at series circuits and the scientific diagrams for electrical components, as well as voltage and amps