



Science Curriculum Abbey Primary School

	Autumn	Spring		Summer	
Year 1	<p>Seasonal Changes</p> <p>The children will observe changes across the four seasons and describe weather associated with the seasons and how day length varies.</p>	<p>Everyday Materials</p> <p>Here, the children will learn to distinguish between an object and the material from which it is made and describe the simple physical properties of a variety of everyday materials.</p>		<p>Plants</p> <p>Year 1 will identify and name a variety of common plants, including garden plants, wild plants and trees, and those classified as deciduous and evergreen. They will go on to identify and describe the basic structure of a variety of common plants including roots, stem, trunk, leaves and flowers</p>	<p>Animals including Humans</p> <p>In these lessons the children will identify and name a variety of common animals and learn to categorise them. They will go on to identify, name draw and label the basic parts of the human body and say which parts of the body is associated with each sense.</p>
Year 2	<p>Uses of everyday materials</p> <p>Year 2 will learn to identify, classify and describe the everyday materials around them and explore the properties of materials, such as wood, plastic, metal, glass and fabric. They will begin to think about the purpose of familiar objects and why they are made out of particular materials.</p>	<p>Plants</p> <p>The children will learn what plants need in order to grow, thrive and survive. They will explore the life cycles of various plants that grow from seeds and bulbs and investigate how they change as they grow and develop.</p>	<p>Living Things and their Habitats</p> <p>The class will learn about different habitats and the living things within them. Exploring the difference between living and non-living things, they will then find out about all kinds of habitats eg ponds, woodlands, sea-sides and the Sahara!</p>	<p>Animals including humans</p> <p>This unit will help your children to understand what animals, including humans, need in order to grow, thrive and survive. They will explore the life cycles of various animals and investigate how young develop into adults, looking specifically at what humans need to live a healthy life.</p>	



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Year 3	<p>Rocks</p> <p>The class will find out about different kinds of rocks and what they can be used for. They will explore a variety of soils and find out how they are formed and discover the fascinating world of fossils, as well as undertaking a variety of experiments to get their Science skills rock solid!</p>	<p>Animals including humans</p> <p>This unit tells the children about the specific nutrition needed to help them move and grow, and how humans and some other animals have skeletons and muscles to help their bodies move.</p>	<p>Plants</p> <p>Year 3 will identify the functions of the different parts of a plant, find out what plants need in order to grow well and explore how plants reproduce</p>	<p>Forces and magnets</p> <p>Year 3 will learn all about forces. From pushes and pulls to uses for magnetic materials, the children will combine practical enquiry and scientific research to help them become more familiar with how forces and magnets work.</p>	<p>Light</p> <p>In these lessons, the children will learn about light, shadow, day, night and everything in between: how light travels, what shadows are, how the length and position of a shadow changes throughout the day.</p>
Year 4	<p>Living things and their habitats</p> <p>This unit will help children to become more familiar with plants and animals in their local and wider environment. They will learn to identify a range of British plants and animals, and how to classify organisms, using classification keys. They will also consider why organisms live in different habitats and the impact that humans have</p>	<p>Electricity</p> <p>Year 4 will be looking at how circuits work, the differences between mains and battery powered electricity, how to make a switch, which materials are conductors and which are insulators, with plenty of opportunities for investigations and experiments.</p>	<p>Sound</p> <p>The class will learn about noise in this unit. They will explore what sound is and how it is made, as well as investigating how sounds travels, how it can be blocked, how different pitches can be attained, and much more.</p>	<p>States of matter</p> <p>The children will be taught about the differences between solids, liquids and gases, and how different materials can change state. They will do practical experiments to help them understand the processes of evaporation and condensation, and be able to express their understanding in a variety of ways.</p>	<p>Animals including humans</p> <p>These lessons will teach children about the diets of different animals, as well as how humans eat and digest food. The children will be able to describe the simple functions of the basic parts of the digestive system in humans and identify the different types of teeth in humans and their simple functions</p>



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Year 5	<p>Forces</p> <p>Year 5 will learn about the effects of gravity, friction, air and water resistance as well as build models to explore the ways in which pulleys, levers and gears work!</p>	<p>Properties and changes of materials</p> <p>The children will learn to understand the differences between a variety of materials and how materials can be mixed and dissolved, and reversibly and irreversibly changed.</p>	<p>Living things and their habitats</p> <p>These lessons will enable the children to describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird and to describe the life process of reproduction in some plants and animals.</p>	<p>Earth and space</p> <p>Take a trip to outer space! The class will become experts on the Earth, Sun and Moon, finding out facts like how big each one is, how far away from each other they are, how their relationship to each other creates night, day and different time zones, and so much more.</p>	<p>Animals including humans</p> <p>This unit will teach the children about all the different changes as humans develop from birth to old age.</p>
Year 6	<p>Electricity</p> <p>These lessons consolidate the class's knowledge of circuits and how they work and then goes on to extend their knowledge of electricity looking at conventional circuit symbols and exploring how to change the brightness of a bulb or the speed of a motor within a circuit.</p>	<p>Light</p> <p>Year 6 will look at how light travels, how shadows are formed and how they behave, as well as taking a closer look at the eye and how it works.</p>	<p>Living things and their habitats</p> <p>The class will recap their knowledge of broad groups of organisms before taking a much more in-depth look at the classification system, how it works and how different species of organisms that are closely related can be identified.</p>	<p>Animals including humans</p> <p>Year 6 will identify and name the main parts of the human circulatory system, and explain the functions of the heart, blood vessels and blood. They will learn to recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function and be able to describe the ways in which nutrients and water are transported within animals, including humans.</p>	<p>Evolution and inheritance</p> <p>This unit teaches the children about characteristics passed from one generation to the next and how species have adapted to their environments. It goes on to explain the process of natural selection, and how our understanding of the process of evolution has developed over time thanks to the work of scientists and palaeontologists.</p>