

## Bidston Village CE Primary: Science Curriculum Overview 2023-24

	FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	Seasonal Change - autumn animals Science- colour mixing	<b>Animals incl. humans:</b> Name and describe common animals. <b>Seasonal change:</b> To recognise how day length varies.	<b>Materials:</b> To describe the properties and suitability of everyday materials.	<b>6 weeks Forces and Magnets:</b> Begin to describe the effect of friction. To identify and explain which materials are affected by magnets	<b>States of matter:</b> To group materials into 3 states of matter and understand how some materials can change when heated or cooled.	<b>Properties and changes of materials:</b> Explain how to combine or separate mixtures. To understand reversible and non-reversible changes.	<b>Light:</b> To explain how light travels and how we see objects. To describe why we see shadows.
Autumn 2		<b>Animals incl. humans:</b> Name different body parts and link to 5 senses.	<b>Living things and habitats:</b> To know the difference between living, dead and never lived. To describe adaptations of animals in relation to their habitats, including diet and food chains	<b>6 weeks Animals incl. Humans:</b> To explain why we need food to keep us alive. To name and locate key bones and muscles in the body.			<b>Sound:</b> Recognise how sound is made by vibrations and describe pitch and volume.
Spring 1	Science investigations- ice, making potions Planting and growing magnetism animals in our environment Light and dark	<b>Materials:</b> To name and describe everyday materials and their properties. <b>Seasonal changes:</b> Know the four seasons and how weather is different.	<b>Animals inc humans:</b> Explain what humans and animals need to survive and the importance of looking after our bodies.	<b>6 weeks Rocks:</b> To know how rocks and fossils are formed and group rocks according to simple properties. <b>Hi impact 24<sup>th</sup> Jan</b>	<b>Electricity:</b> To construct, draw, label and make predictions about simple circuits. Explain insulators and conductors	<b>Earth and Space:</b> To describe the movement of Earth, Moon and Sun and their relationship to each other and other planets.	<b>Animals incl humans:</b> Identify parts of circulatory system. To recognise impact on healthy lifestyles on our body. Describe how nutrients and water are transported around our body.
Spring 2		<b>Materials:</b> To group materials based on properties.		<b>4 weeks Animals continued Hi impact 28<sup>th</sup> Feb Skeletons</b>			<b>Living things and habitats:</b> To use classification keys to group living things. To recognise and explain the features of different environments.
Summer 1	Planting and growing. Floating and sinking. Changes Making observations- looking carefully Our living world- habitats and animals.	<b>Plants:</b> Name and describe common plants and trees. <b>Seasonal change:</b> To describe how trees and plants change through 4 seasons.	<b>Plants:</b> To know what plants need to grow and stay healthy. To observe seeds and bulbs growing.	<b>6 weeks Light:</b> To describe sources and simple properties of light incl shadows			<b>Animals incl. humans:</b> Describe how our bodies change as we age
Summer 2		<b>Plants:</b> Name and describe basic structure of common plants incl. trees		<b>6 weeks Plants:</b> To know the job of each part of the flower and the life cycle of a plant.  To know what different plants need to live and grow			<b>Animals incl. Humans:</b> Explain parts of the digestive system; different teeth; explain variety of food chains using scientific vocab.