



### EYFS to KS1 Bridge – Science

Science in the EYFS curriculum	How this is achieved in EYFS	How the learning in EYFS progresses into KS1
<p><u>Understanding the World</u></p> <p>ELG: The Natural World</p> <ul style="list-style-type: none"> <li>• Explore the natural world around them, making observations and drawing pictures of animals and plants.</li> <li>• 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.</li> <li>• Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</li> </ul>	<ul style="list-style-type: none"> <li>• Talking about the weather each day during registration.</li> <li>• Going on walks to observe the local environment and to compare and learn about the seasons.</li> <li>• Children freely choose the natural resources in nature to help create resources for play.</li> <li>• Taking photos to compare and discuss the seasons.</li> <li>• Spring 2 topic – comparing the weather in the UK and in Africa.</li> <li>• Singing the days of the week and months of the year songs.</li> <li>• Reading stories linked to the seasons.</li> </ul>	<ul style="list-style-type: none"> <li>• Y1 Autumn 2 topic – Autumn and Winter.</li> <li>• Y1 Summer 1 topic – Spring and Summer.</li> <li>• Identifying the seasons and months.</li> <li>• Discussing what the weather is like in each season and what clothes to wear.</li> <li>• Learning about what happens to plants and animals in each season.</li> <li>• Learning about changes between seasons.</li> </ul>
<p><u>Personal, Social and Emotional Development</u></p> <p>ELG: Managing Self</p> <ul style="list-style-type: none"> <li>• Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.</li> </ul>	<ul style="list-style-type: none"> <li>• Spring 2 – learning about African animals and where they live.</li> <li>• Learning about how to take care of animals.</li> <li>• Discussions about pets the children have at home and their own experiences of looking after their pets.</li> <li>• Reading stories about different animals – fiction and non-fiction.</li> <li>• Exploring minibeasts in the outdoor area and recording our observations.</li> <li>• Creating bug hotels.</li> <li>• During PE lessons children are encouraged to get dressed and undressed independently.</li> <li>• Singing songs to name the different body parts e.g. heads, shoulders, knees and toes.</li> </ul>	<ul style="list-style-type: none"> <li>• Y1 Spring topic – amazing animals.</li> <li>• Naming and describing animals.</li> <li>• Grouping animals by characteristics.</li> <li>• Identifying how animals are similar and different.</li> <li>• Identifying and comparing fish.</li> <li>• Comparing and contrasting animals from different categories.</li> <li>• Learning about what animals eat.</li> <li>• Knowing how to look after pets.</li> <li>• Learning about the basic parts and functions of the human body.</li> <li>• Y2 Spring topic – living things and their habitats.</li> <li>• Understanding how to identify if something is alive.</li> <li>• Learning about where plants and animals live.</li> </ul>

	<ul style="list-style-type: none"> <li>• Learning about the life cycle of a butterfly.</li> <li>• Caring for our own caterpillars in class and watching them grow.</li> </ul>	<ul style="list-style-type: none"> <li>• Comparing the Arctic and Sahara.</li> <li>• Learning about plant and animal food chains.</li> </ul>
	<ul style="list-style-type: none"> <li>• Summer 1 topic – learning about where food comes from, and which foods are healthy.</li> <li>• Discussions at snack time of the importance of healthy food choices.</li> <li>• Discussion at lunch time about healthy eating and food choices.</li> <li>• Stories and circle time discussions about hygiene, exercise and healthy lifestyles.</li> <li>• Reminding children of the importance of washing hands at multiple times throughout the day.</li> <li>• Games where the children have to touch and identify different body parts e.g. touch your leg.</li> <li>• Learning about the importance of brushing teeth and good hygiene.</li> <li>• Learning about the importance of screen time.</li> <li>• Understanding why exercise is important in PE lessons.</li> <li>• Daily wake and shake.</li> </ul>	<ul style="list-style-type: none"> <li>• Y2 Autumn 1 topic – animals and survival.</li> <li>• Understanding the basic needs of animals.</li> <li>• Learning about animal offsprings.</li> <li>• Understanding why exercise is important for humans.</li> <li>• Exploring what a balanced diet is and the names of the food groups.</li> <li>• Learning about why hygiene is important.</li> </ul>
	<ul style="list-style-type: none"> <li>• Summer 2 topic – learning about how plants grow.</li> <li>• Planting seeds/bulbs and growing our own plants.</li> <li>• Looking after the EYFS garden and taking care of the plants.</li> <li>• Understanding what plants need to grow.</li> <li>• Learning about how the weather may affect plant growth.</li> </ul>	<ul style="list-style-type: none"> <li>• Y1 Summer 2 topic – common plants.</li> <li>• Learning about what a plant is and the basic parts of a plant.</li> <li>• Identifying garden and wild plants.</li> <li>• Identifying the main parts of a tree.</li> <li>• Understanding why plants are important.</li> <li>• Y2 Summer 2 topic – plants and growth.</li> <li>• Learning about what a seed is and what is inside it.</li> <li>• Learning about what a seed needs to germinate and grow.</li> <li>• Learning about the life cycle of a plant.</li> </ul>
	<ul style="list-style-type: none"> <li>• Spring 1 topic – learning about the impact of pollution on Birmingham.</li> <li>• Learning about why we have a clean air zone in Birmingham.</li> </ul>	<ul style="list-style-type: none"> <li>• Y2 Summer 1 topic – protecting the environment.</li> <li>• Learning about the dangers to the environment and animals.</li> <li>• Learning why recycling is important.</li> </ul>

	<ul style="list-style-type: none"> <li>• Talking about why it is important to recycle and the children's experiences of recycling.</li> <li>• Litter picking around the school.</li> </ul>	<ul style="list-style-type: none"> <li>• Learning about being energy efficient.</li> <li>• Learning about why trees are important.</li> </ul>
	<ul style="list-style-type: none"> <li>• Making boats to explore the best materials.</li> <li>• Water tray activities to explore water, ice, and materials that float and sink.</li> <li>• Exploring materials and texture in different clothes.</li> <li>• Investigating what the best material to make a winter coat will be.</li> <li>• Learning about pollution and how it is affecting the environment.</li> </ul>	<ul style="list-style-type: none"> <li>• Y1 Autumn 1 topic – everyday materials.</li> <li>• Learning what a material is and the names and properties of materials.</li> <li>• Discovering the difference between objects and materials.</li> <li>• Investigating why certain materials are chosen for certain objects.</li> <li>• Sorting and grouping by material.</li> <li>• Y2 Autumn 2 topic – uses of materials.</li> <li>• Identifying the materials that different objects are made from.</li> <li>• Exploring and identifying how materials are used in the local area.</li> <li>• Investigating the suitability of materials and how they can be changed.</li> <li>• Discussing how can we help to stop plastic pollution.</li> <li>• Learning about how new materials are discovered and about the lives of significant scientists in this field.</li> </ul>