



Holy Trinity

Church of England Primary Academy

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

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

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