Holy Trinity C of E Primary School

Year 2 Science Curriculum (MTP)

Autumn		Spring	Summer	
Animals including Humans	**Everyday Materials**	**Electricity**	**Living Things and their Habitats**	**Plants**
Notice that animals, including humans, have offspring which grow into adults. Find out about and describe the basic needs of animals, including humans, for survival (water, food and air). Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.	Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.	Identify appliances that run on electricity. Recognise the need for a power source (mains, battery, rechargeable, renewable, etc) and a circuit to make an appliance work. Identify both the component and its symbol in a simple circuit. Build simple closed series circuits. Know electrical safety.	Explore and compare the differences between things that are living, dead, and things that have never been alive. Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other. Identify and name a variety of plants and animals in their habitats, including microhabitats. Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.	Observe and describe how seeds and bulbs grow into mature plants. Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

NB Within lessons consider including work on scientists (Doctors – Elizabeth Garrett Anderson)/inventors (Charles Macintosh)/inventions (waterproof coat, greenhouses, Eden Project, wind turbines)

Working Scientifically

These objectives will be taught across the year:

- Asking simple questions and recognising that they can be answered in different ways.
- Observing closely, using simple equipment.
- Performing simple tests.
- Identifying and classifying.
- Using their observations and ideas to suggest answers to questions.
- Gathering and recording data to help in answering questions.