

• **Science: Year 2**

National Curriculum links:

- Distinguish between an object and the material from which it is made
- identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
- Describe the simple physical properties of a variety of everyday materials
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.
- 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.
- 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.
- 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.

Sequence of learning:

<u>Autumn</u>		<u>Spring</u>		<u>Summer</u>
<u>Everyday materials</u>	<u>Living things and their habitats</u>	<u>Life cycles and survival</u>	<u>Plants</u>	
Identify uses of materials	Classify living and non-living	Human life cycle stages	Observe the plants on our school grounds	
Find materials in our local area	Classify alive, dead and never alive	Animal life cycles	Know how to plant a seed and a bulb	
Compare the suitability of materials	Fieldtrip: Find living, dead or never alive in my local area	Predict and investigate which age is fastest	Observation/ prediction- different variables for plant germination/ growth	

Experiment to see which materials change shape	Investigate a microhabitat	Know how to look after different pets	Know the life cycle of a plant
Know the process of recycling	Research British habitats	Know how to be healthy	Find plants in my local area
	Group living things into their British habitat		Which plants do we eat?
	Research world habitats		Plant dependency
	Classify animals based on world habitats		Know how different plants grow
	Understand how some living thing depend on each other		Conclusion of observation- what do plans need to germinate and grow
	Produce a food chain		

Key vocabulary:

Opaque	Transparent	Translucent	Reflective
Rigid	Offspring	Reproduction	Growth
Exercise	Hygiene	Living	Dead
Food Chain	Habitat	Shelter	Germinate
Sunlight	Shoot	Seedling	Bulb