

## Stukeley Federation Science KS1

Throughout the year the children will cover a variety of aspects of the science curriculum to ensure all children:

- develop **scientific knowledge and conceptual understanding** through the specific disciplines of biology, chemistry and physics
- develop understanding of the **nature, processes and methods of science** through different types of science enquiries that help them to answer scientific questions about the world around them
- are equipped with the scientific knowledge required to understand the **uses and implications** of science, today and for the future.

<b>Autumn 1 Down on the farm</b>	Plants – food plants <b>Food</b> <ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
<b>Autumn 2 Down on the farm</b>	<b>Animals – Farm animals and their needs, offspring and how they grow into animals</b> <ul style="list-style-type: none"> <li>▪ notice that animals, including humans, have offspring which grow into adults</li> <li>▪ find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</li> <li>▪ describe the importance for humans of exercise, eating the <b>right amounts of different types of food</b>, and hygiene.</li> </ul>
<b>Spring 1 People Who Help Us</b>	<b>Animals including Humans basic needs of humans and hygiene</b> <b>Looking after pets</b> <ul style="list-style-type: none"> <li>▪ identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</li> <li>▪ find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</li> <li>▪ describe the importance for humans of exercise, eating the right amounts of different types of food, and <b>hygiene</b>.</li> </ul>
<b>Spring 2 People Who Help Us</b>	<b>Everyday Materials – houses made from wood or brick</b> <ul style="list-style-type: none"> <li>▪ identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</li> <li>▪ find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>
<b>Summer 1 Pirates and Explorers</b>	<b>Animals – fish and sea creatures</b> <ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
<b>Summer 2</b>	<b>Animals</b> <ul style="list-style-type: none"> <li>▪ identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> <li>▪ identify and name a variety of common animals that are carnivores, herbivores and omnivores</li> </ul>

## **Pirates and Explorers**

- describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)

Year 2

- 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 micro-habitats
- 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.