

Science: Year Two

Essential Skills and Knowledge

- I can observe and describe how seeds and bulbs grow into mature plants
- I can find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
- I can notice that animals, including humans, have offspring which grow into adults
- I can find out about and describe the basic needs of animals, including humans, for survival (water, food and air)
- I can describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene
- I can identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- I can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching

Communication Skills

- I can explore and compare the differences between things that are living, dead, and things that have never been alive
- I can identify that most living things live in habitats and explain what a habitat and micro habitat are
- I can describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other
- I can identify and name a variety of plants and animals in their habitats, including microhabitats
- I can 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
- I can raise and answer questions that help me become familiar with life processes common to all living things

Working together Collaborative Skills

- I can get on with my investigation without distracting others
- I am prepared to listen to the views of others and respect them as valid
- I enjoy collaborative tasks
- I can work together with others on an investigation and appreciate the contributions of others

Problem solving

- I can suggest why certain materials are better for certain things than other materials
- I can carry out experiments to investigate the growth of plants
- I can set up a comparative test to show that plants need light and water to stay healthy

Application of number	Information Technology
<ul style="list-style-type: none"> • I can record results on a chart • I can construct a simple food chain • I can sort things according to weather they are living, dead or never alive 	<ul style="list-style-type: none"> • I use an index to locate information • I can use the internet to find out about people who have developed useful new materials (John Dunlop, Charles Macintosh, John McAdam) • I can create lists using bullet points or numbering • I can use a software package to find the answers to simple questions • I devise yes/no questions and know that such questions can help identify an objects • I can use videos and photographs to record change over time

Reviewed Summer 2014- New National Curriculum