



Science Year 1/2



Working Scientifically

1. I can ask simple questions and recognise that they can be answered in different ways.
2. I can observe closely using simple equipment, including reading simple data from data loggers.
3. I can perform simple tests
4. I can identify and classify materials, objects, animals and plants in simple ways.
5. I can use my observations to suggest answers to questions.

Everyday materials and their use

1. Distinguish between an object and the material from which it is made
2. Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock
3. Describe the simple physical properties of a variety of everyday materials
4. Compare and group together a variety of everyday materials on the basis of their simple physical properties
5. I can find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching
6. 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

Animals including humans

1. I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals
 2. I can identify and name a variety of common animals that are carnivores, herbivores and omnivores
 3. I can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)
 4. I can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.
 5. I know 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)
6. I can describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.

Living things and their habitats

1. I can 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
 2. 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.
 3. I can identify and name a variety of plants and animals in their habitats, including microhabitats
- explore and compare the differences between things that are living, dead, and things that have never been alive

Plants

1. I can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
2. I can identify and describe the basic structure of a variety of common flowering plants, including trees.
3. I can describe how plants need water, light and a suitable temperature to grow and stay healthy
4. I can describe how seeds and bulbs grow into mature plants

STEM

1. I can talk about some of the activities that real STEM professionals do.
2. I can name some STEM careers including one science profession.