



A guide to science in KS1



Curriculum

Plants

- Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees
- Identify and describe the basic structure of a variety of common flowering plants, including trees
- 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

Animals, including humans

- Identify and name a variety of common animals and grouping them based on structure or diet.
- Identify, name, draw and label basic parts of the human body and say which part of the body is associated with each sense.
- Notice that animals, including humans, have offspring which grow into adults
- Find out about and describe the basic needs of animals, including humans including the importance of exercise, a healthy diet and hygiene.

Curriculum

Living things and their habitats

- Explore and compare the differences between things that are livings, dead and things that 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.
- Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, an identify and name different sources of food.

Everyday materials

- Distinguish objects from materials.
- Identify and group everyday materials.
- Describe the properties of everyday materials.

Curriculum

Seasonal changes

- Observe changes across the four seasons.
- Describe weather associated with each season.
- Describe how day length varies through the seasons.

Working scientifically

- Asking questions
- Observing closely
- Identifying and classifying
- Gathering and recording data
- To suggest answers to questions
- To carry out simple tests

How can I develop my child's understanding of science at home?

- Read non fiction/fact based books about animals.
- Walk in the park or garden –practice identifying the types of tree, plants and animals observed.
- Visit STEM themed museums.
- Around the home – what materials are used and why.
- Look at weather forecasts and talk about the changes in seasons/daylight hours.
- Watch BBC documentary programmes together.

Websites and places to visit

- BBC bitesize <https://www.bbc.co.uk/bitesize/levels/z3g4d2>
- MET Office <https://www.metoffice.gov.uk/>
- RSPB Wild Challenge <https://www.rspb.org.uk/fun-and-learning/for-families/family-wild-challenge/>
- Centre for Life [Home | Centre For Life](#)
- Head of Steam Museum <https://www.head-of-steam.co.uk/>
- Discovery Museum <https://discoverymuseum.org.uk/>
- Locomotion <https://www.locomotion.org.uk/home>
- Saltholme Nature Reserve <https://www.rspb.org.uk/reserves-and-events/reserves-a-z/saltholme/>