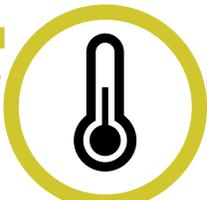


# Science Curriculum Overview



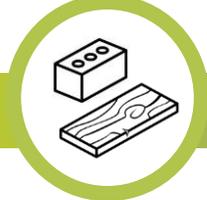
## YEAR 1

Seasonal changes



Observe and describe changes across the four seasons.

Everyday materials



Identify, name and describe everyday materials.

Plants



Identify and describe the structure of common flowers and trees.

Animals, including humans



Identify and name common animals which are carnivores, herbivores and omnivores.

## YEAR 2

Plants



Explore a plant's three basic needs. Observe and describe how seeds and bulbs grow into mature plants.

Living things and their habitats



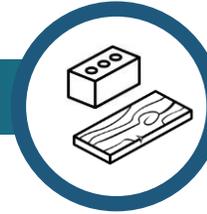
Identify suitable habitats for living things. Describe how animals obtain food.

Animals, including humans



Animal life cycles and basic needs of survival including a healthy lifestyle.

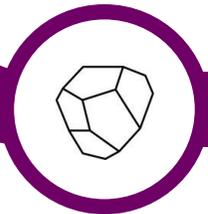
Uses of everyday materials



Identify and compare the suitability of everyday materials for different purposes.

## YEAR 3

Rocks and soils



Describe, compare and group different kinds of rocks based on physical properties.

Animals, including humans



Describe nutrition for animals, including humans. Explore human and animal skeletons.

Plants



Describe a plant's five basic needs. Explore the part that flowers play in the life cycle of flowering plants.

Light



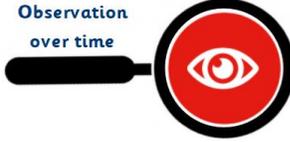
Recognise that light is needed to see things and explore how shadows are formed.

Forces and magnets



Identify and compare everyday materials based on their magnetic properties.

### Enquiry types



# Science Curriculum Overview



**YEAR 4**

**Animals, including humans**



Explore the digestive system and human teeth. Construct and interpret food chains.

**Sound**



Recognise that vibrations from sounds travel through a medium to the ear.

**Electricity**



Construct a simple series electrical circuit, identifying and naming its basic parts.

**States of matter**



Compare and group materials together, according to whether they are solids, liquids or gases.

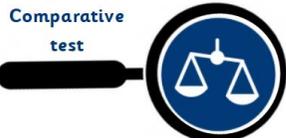
**Living things and their habitats**



Use classification keys to group, identify and name a variety of living things.

**YEAR 5**

## Enquiry types



**Properties and changes of materials**



Explore reversible changes, including, evaporating, filtering, sieving, melting and dissolving.

**Animals, including humans**



Describe the differences between life cycles and the process of reproduction. Describe the changes as humans develop to old age.

**Earth and space**



Describe the solar system including the movement of the planets and our moon.

**Forces**



Explore falling objects and identify the effects of air resistance, water resistance and friction.

**YEAR 6**

**Animals, including humans**



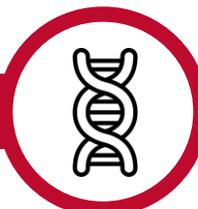
Identify and name the main parts of the human circulatory system. Recognise the effects of diet, exercise, drugs and lifestyle.

**Light**



Identify how light travels including light sources, reflection and shadows.

**Evolution and inheritance**



Identify how animals and plants are adapted to suit their environment and this may lead to evolution.

**Living things and their habitats**



Explore the idea that broad groupings can be subdivided when classifying.

**Electricity**



Construct a series circuit with different components such as switches, buzzers and motors.