

# Science Curriculum Overview



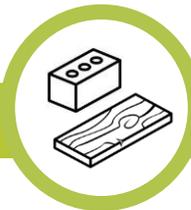
## YEAR 1

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



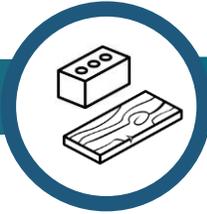
Identify suitable habitats for living things. Describe how animals obtain food.

Animals, including humans



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

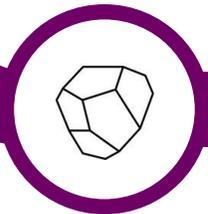
Uses of everyday materials



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

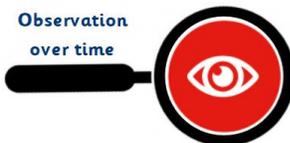
Comparative test



Research



Observation over time



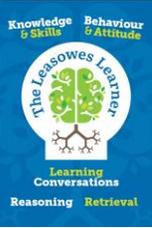
Identify and classify



Pattern seeking



# 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

### Properties and changes of materials



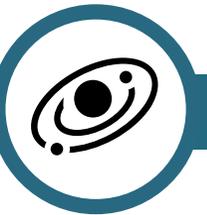
Explore reversible changes, including, evaporating, filtering, sieving, melting and dissolving.

### Animals, including humans



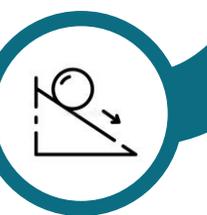
Describe the differences between life cycles and the process of reproduction. Describe the changes as humans develop to old age.

### 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.

### Enquiry types

- Comparative test 
- Research 
- Observation over time 
- Identify and classify 
- Pattern seeking 