

# Science in Year 6

## Focus: Animals including humans

- I can identify and name the main parts of the human circulatory system.
- I can describe the functions of the heart, blood and blood vessels.
- I can explain how nutrients and water are transported within animals, including humans.



## Focus: Evolution and Inheritance

- I can recognise that living things have changed over time.
- I understand that fossils give us information about living things from millions of years ago.
- I recognise that living things produce offspring of the same kind which are not normally identical to their parents.

## Focus: Electricity

- I can associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in a circuit.
- I can compare and give reasons for variations in how components function.
- I can use recognised symbols when representing a simple circuit in a diagram.



## Focus: Light

- I know that light appears to travel in straight lines to explain how objects are seen.
- I can explain how shadows are cast.

## Focus: Living Things and their Habitats

- I can describe how living things are classified into broad groups according to observable characteristics.



- I can give reasons for the way living things are classified.

### **Focus: Forces**

- I can identify and explain the different forces acting on objects.
- I can explain Newton's role in discovering gravity.
- I can accurately measure an object's weight and mass.
- I can identify and explain how different mechanisms, including levers, gears and pulleys, increase the effect of a force.

### **Focus: Working Scientifically**

- I can plan different types of scientific enquiry.
- I can take measurements using a range of scientific equipment.
- I can record data and results of increasing complexity.
- I can use test results to make predictions and set up further comparative and fair tests.

