

Key Stage 2



Science checklist

Living things and their habitats

I can...

- ☐ Put living things into groups based on characteristics
- ☐ Explain why an animal is classed as a vertebrate or invertebrate and group them accordingly
- ☐ Explain why a plant is classed as flowering or non-flowering and group them accordingly

Mammals

I know...

- ☐ What makes up the human circulatory system (blood, blood vessels and the heart)
- ☐ That blood moves nutrients, water, oxygen and waste around the body
- ☐ What blood vessels are and that they carry blood around the body
- ☐ What the heart does and how it pumps blood around the body
- ☐ The effects of food, exercise and drugs on the body

Evolution & inheritance

I know...

- ☐ What the differences between offspring are, and why they can look similar to family
- ☐ How living things are adapted to their habitat
- ☐ What evolution is, and how variation and adaptation lead to evolution
- ☐ That fossils show us how living things have changed over time

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Science checklist

Light

I know...

- ☐ That light travels in straight lines and how objects blocking it makes shadows
- ☐ That we see things because light enters our eyes
- ☐ That we see objects because they reflect light from light sources into our eyes

Electricity

I know...

- ☐ That adding more batteries or using a higher voltage will make a bulb brighter or a buzzer louder
- ☐ How opening and closing switches affect components in a circuit
- ☐ The circuit symbols for batteries (cells), bulbs (lamps), buzzers, motors and switches
- ☐ How to draw simple circuit diagrams

Working scientifically

I can...

- ☐ Plan experiments to answer questions and plan how to make a fair test
- ☐ Use different types of equipment to take measurements
- ☐ Display results in tables, bar charts, line graphs and scatter graphs with classification and labels
- ☐ Spot patterns and make predictions using the results of my experiment
- ☐ Write a conclusion to explain my results and whether the evidence supports a scientific idea