

What do you know?



Year 3

Science

Working Scientifically
I can ask relevant questions and use different types of scientific enquiries to answer them.
I can set up simple practical investigations, compare things and make fair tests.
I can make organised and careful observations and take accurate measurements using the right units using a range of equipment including thermometers and data loggers.
I can gather, record, sort and present data in a variety of ways to help in answering questions.
I can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables.
I can report findings from investigations, including explaining by talking and writing about them, displaying or presenting results and conclusions.
I can use results to draw simple conclusions, make predictions, suggest improvements and ask more questions.
I can identify differences, similarities or changes related to simple scientific ideas and processes.
I can use clear scientific evidence to answer questions or to support my findings.
Practical Skills
I can recognise that soils are made from rocks and organic matter
Raw and Synthetic Materials
I can compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency
Plants
I can identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers
I can explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant
I can investigate the way in which water is transported within plants
I can explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal
Adaptations
I can identify how animals and plants are adapted to suit their environment in different ways and that adaptation
I can explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
Light and Dark

What do you know?



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Science

I can recognise that they need light in order to see things and that dark is the absence of light

I can notice that light is reflected from surfaces

I can recognise that light from the sun can be dangerous and that there are ways to protect their eyes

I can recognise that shadows are formed when the light from a light source is blocked by an opaque object

I can find patterns in the way that the size of shadows change.

Forces and Magnets

I can compare how things move on different surfaces

I can notice that some forces need contact between two objects, but magnetic forces can act at a distance

I can observe how magnets attract or repel each other and attract some materials and not others

I can compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials

I can describe magnets as having two poles

I can predict whether two magnets will attract or repel each other, depending on which poles are facing.