

# Science Year 3

## Plants

I can explore the requirements of plants for life and growth and how they vary from plant to plant

I can investigate the way in which water is transported within plants

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

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

I can predict if 2 magnets will attract or repel by looking at the poles

## Forces and Magnets

I can compare how things move on different surfaces

I can talk about the parts of a plant and their job

I can identify and describe the functions of different parts of flowering plants

I can identify some magnetic materials

I can describe that magnets have 2 poles

I can describe in simple terms how fossils are formed when things that have lived are trapped within rock

## Rocks

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

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

I can compare the requirements of rocks based on their appearance and physical simple properties

I can recognise that soil is made from rocks and organic matter

## Light

I can notice that light is reflected from surfaces

I can make systematic and careful observations

I can gather, record, classify and present data in a variety of ways to help in answering questions

I can use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions

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

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

## Working Scientifically

I can record my findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables

## Animals including humans

I can identify that humans and some other animals have skeletons and muscles for support, protection and movement

I can use a range of equipment, including thermometers and data loggers

I can take accurate measurements, where appropriate, using standard units

I can set up simple practical enquiries, comparative and fair tests

I can ask relevant questions and use different types of scientific enquiry to answer them

I can identify that animals, including humans, cannot make their own food, they get nutrition from what they eat

I can report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions