

SCIENCE – YEAR 3

AUTUMN

SPRING

SUMMER

Working Scientifically

- asking relevant questions and using different types of scientific enquiries to answer them
 - setting up simple practical enquiries, comparative and fair tests
- making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
 - gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
 - recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
 - identifying differences, similarities or changes related to simple scientific ideas and processes
 - using straightforward scientific evidence to answer questions or to support their findings

Rocks

- compare and group together different kinds of rocks on the basis of their simple physical properties
- relate the simple physical properties of some rocks to their formation (igneous or sedimentary)
- describe in simple terms how fossils are formed when things that have lived are trapped within sedimentary rock.
- recognise that soils are made from rocks and organic matter.

Forces and Magnets

- notice that some forces need contact between two objects, but magnetic forces can act at a distance
- observe how magnets attract or repel each other and attract some materials and not others
- 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
- describe magnets as having two poles
- predict whether two magnets will attract or repel each other, depending on which poles are facing.

Animals (including humans)

- Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat
- identify that humans and some animals have skeletons and muscles for support, protection and movement.

Plants

- identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers
- 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
- investigate the way in which water is transported within plants
- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

Light

- notice that light is reflected from surfaces
- find patterns that determine the size of shadows.