

Y1

Plants
identify, name and describe common plants and flowers

Animals
identify/ name/ describe animals;
identify, name and draw the human body

Materials
identify and describe different materials

Seasonal changes
Observe changes over the year

Y2

Plants
observe and describe what plants need to grow

Animals
notice that animals have offspring; basic needs of animals; describe the importance of exercise

Materials
identify the suitability of different materials; find how the shape of some objects can change

Y3

Plants
identify the different parts and function of a plant; life cycle of a plant

Animals
identify nutrients needed for animals; identify that some animals have skeletons and muscles.

Rocks
identify and describe different rocks

Light
identify that we need light to see, that light reflects off surfaces and that shadows form.

Materials
observe objects reaction to magnets

Y4

Living things and habitat
identify different classification;
see how habitats can affect these

Animals
food chains, digestive system, teeth

Materials
solids, liquids and gases; evaporations and condensation

Sound
associate with vibrations, volume and pitch of sound

Electricity
simple series and circuits

Y5

Living things
life cycle and reproduction

Humans
describe how animals develop to old age

Materials
properties of materials, dissolving; reversible and irreversible changes

Earth and space
describe the sun and the moon and how this effects the season and the day

Forces
resistance, gravity

Y6

Living things
classifications, microorganisms

Animals
circulatory system, the heart, nutrients and healthy lifestyle

Evolution and inheritance
adaptation, fossils, inheritance

Light
functions of the eye and how we see light

Electricity
circuits, voltage

Purpose of Study

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Science

