

SCIENCE OUTCOMES

KEYSTAGE 1

KEYSTAGE 2

YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5

YEAR 6

PLANTS

Pupils should be taught to identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.

Identify and describe the basics structure of a variety of common flowering plants, including trees.

ANIMALS INCLUDING HUMANS

Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.

Identify and name a variety of common animals that are carnivores, herbivores and omnivores.

SEASONAL CHANGES

Observe changes across the four seasons. Observe and describe the weather associated with the seasons and how day length varies.

PLANTS

Find out how plants need water, light and a suitable temperature to grow and stay healthy.

LIVING THINGS AND THEIR HABITATS

Explore and compare the differences between things that are living, dead and things that have never been alive.

Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.

Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.

ANIMALS INCLUDING HUMANS

Pupils should be taught to notice that animals, including humans, have offspring which grow into adults.

Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).

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 other animals have skeletons and muscles for support and protection.

PLANTS

Identify and describe the functions of different parts of flowering plants; roots, stem / trunk, 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.

ROCKS

Recognise that soils are made from rocks and organic matter.

ANIMALS INCLUDING HUMANS

Construct and interpret a variety of food chains, identifying producers, predators and prey.

LIVING THINGS AND THEIR HABITATS

Recognise that living things can be grouped in a variety of ways.

Recognise that environments can change and that this can sometimes pose dangers to living things.

LIVING THINGS AND THEIR HABITATS

Describe the life processes of reproduction in some plants and animals.

ANIMALS INCLUDING HUMANS

Describe the ways in which nutrients and water are transported within animals, including humans.

EVOLUTION AND INHERITANCE

Pupils should be taught to recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.

Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.