

A skills based curriculum that imparts knowledge about the world we live in

The Science Learning Pathway @ Skelton

Onwards to success and triumph...



Year 6

Animals, including humans
Exploring the human circulatory system, diet, exercise and healthy eating.

Light
How light travels, how we see through our eyes and shadows.

Evolution and Inheritance
How living things have changed over time, fossils, dinosaurs, how animals adapt to the environment.

Living Things and their Habitats
Develop understanding of classification, characteristics of plants and animal groups.

Electricity
Discovering voltage and power in circuits, circuit components, symbols and diagrams.

Animals, including humans
How humans develop from birth to old age.

Earth and Space
Discovering how the Earth, Sun and Moon move as well as learning about the solar system.

Properties and Changes of Materials
Children explore how materials can dissolve, separate.

Year 5

Forces
Exploring gravity, air resistance, water resistance and friction.

Living Things and their Habitats
Developing understanding of life cycles and reproduction in animals and plants.

States of Matter
How materials can change state through evaporation and condensation.

Electricity
The children learn how to make simple circuits and insulating and conducting materials.

Forces and Magnets
Exploring magnetic materials and how things attract and repel.

Year 4

Light
Exploring how light can reflect and make shadows.

Animals, including humans
Discovering the human skeleton and muscles and the importance of nutrition.

Animals, including humans
Discovering the human digestive system, teeth and food chains.

Sounds
Exploring how sound is made through vibrations, as well as learning about pitch and volume and the Ear.

Living Things and their Habitats
Learning about classification keys.

Rocks
Discovering a range of rocks and fossils and how they are formed.

Plants
Discovering the life cycle of a plant.

Year 3

Animals, including humans
Discovering what humans need in order to survive.

Plants
Exploring what plants need to sustain healthy growth.

Animals, including humans
The basic understanding of the parts of the human body and comparing with some animals.

Everyday Materials
Describing different properties.

Year 2

Plants -
Learning about the basic structure of a plant.

Use of everyday materials
Explore and compare materials for uses

Living things and their habitats
(explore variety of habitats, simple food chains).

Year 1

Seasonal Changes
Observing how the differences between the seasons.

In EYFS Children will start to gain the science knowledge that they'll build on throughout their primary school years, such as developing their skills of observation, prediction, critical thinking and discussion. The children will learn about life processes and living things, materials and some physical processes.

EYFS