

PHYSICS

A journey through the curriculum

RECEPTION

Knowledge and Understanding of the World

Make observations of natural environment
Discuss changes that they see and explore why these take place
Talk about weather and seasonal changes

EYFS

YEAR 1

Seasonal Changes

Different seasons
Measuring the weather
Day and night

1

YEAR 2

Forces and Movement

Pushes and pulls
Changing shape by bending, stretching, twisting and squashing
Sliders, levers and linkages
Transferring movement

2

YEAR 3

Rocks, Relics and Rumbles

Features of the Earth's layers
Exploration of volcanic, tectonic and seismic activity

Forces and Magnets

Contact and non-contact forces
Friction
Magnetism

Parts of a magnet and magnetic materials

Light and Shadows

Light and Dark
Reflections
Shadows
Risks associated with the sun

3

YEAR 4

Sound

How sound is made
Pitch and volume
Vibrations

Electricity

Electrical appliances
Electrical safety
Simple circuits
Components
Conductors and insulators

4

YEAR 5

Forces and Mechanisms

Gravity
Friction
Air Resistance
Water Resistance
Mechanisms

Earth and Space

Solar System
Movement of the planets relative to the sun
Movement of the moon
Day and night

5

YEAR 6

Light Theory

Light travels in straight lines from a source or reflector

How we see light and colour

Shadows

Reflection

Refraction

Electrical Circuits and Components

Components of a circuit

Function of a circuit

The effect voltage of cells affects the outfit

Circuit symbols

Programmable devices

6