

SCIENCE JOURNEY



Our bodies and senses

Children will explore how our bodies work, and introduce senses. They will learn simple and foundation names for parts of the body.

EYFS



P

EYFS

Seasons

Children will explore seasons and how the seasons change around us and the impact on our environment.

Growing and changing

Children will explore how living things grow and change overtime. They will look at life cycles.

EYFS



B

EYFS

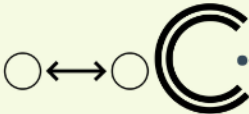
In the garden

Children will explore and make observational drawing of plants that have grown in the garden.

Reactions

Children will explore how reactions can happen in science experiences. They will learn how to be scientist.

EYFS



EYFS

Floating and sinking

Children will explore floating and sinking and conduct experiments to investigate this.



Domains and key concepts

P

Physics

C

Chemistry

B

Biology



Animals



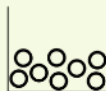
Living things



Seasons



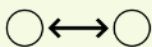
Plants



Materials and matter



Space



Energy and forces



Rocks



Electricity



Sound and light

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Bodies and senses

Children learn about the 5 senses and what parts are bodies are made of including our skeleton.

1



Animals

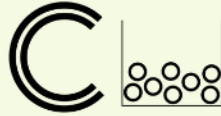
Children will learn about animals including humans. They will learn how classify and identify animal groups.

1

Materials

Children will learn about the physical properties of materials. They will conduct an experiment to identify suitability of materials.

1



Science Week

Children learn about different science areas and take part in exciting and inspiring activities.

1

Plants and trees

Children will learn how to identify and name common plants and trees. They observe some of these plants and trees and draw them.

1



Seasonal Changes

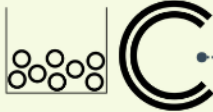
Children will learn about seasonal changes and make observation about the changes in weather and environment for each season

1

Living things

Children learn about what are the characteristics of a living things. They will identify these features as well as learning about food chains.

2



Everyday materials

Children will learn about properties of materials and will be able to identify them. They will also learn how materials can be changed.

2

Microhabitats

Children will learn about microhabitats and will build on their learning from year 1. They will identify what animals are found in these habitats.

2



Science Week

Children will learn about different scientific aspects. They will be inspired through exciting scientific activities.

2

Animals kingdom

Children will learn about more about animals and how they grow from offspring into adults. They will be able to describe the basic needs of animals.

2



Plants

Children will observe and describe what plants need to grow and stay healthy.

2



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Rocks

Children learn about the different rock classifications. They also learn about weathering and fossilisation process.

3



PCB

Practical skills

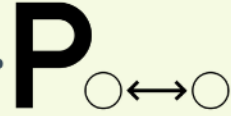
Children will learn about variables, methods and working scientifically in a formal context.

3

Forces and magnets

Children learn about forces and the effect they can have on an object. They will investigate different forces and record their findings.

3



B

Human anatomy

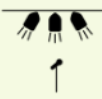
Children will learn about the major organs in the body. They will investigate the digestive system. They will also learn about the skeleton.

3

Plants

Children learn about how a plant grows and thrives. They also learn the parts of a flowering plant and how water is transported in a plant.

3



P

Light

Children learn about that light is an energy that can be reflected and refracted.

3

Phases of Matter

Children will learn the skills of shape, flight and balance. They will develop their skills through floor work, then move to different contexts vertically and horizontally.

4



B

Digestion system

Children learn about the digestion system and how the human body processes food including teeth.

4

Practical skills

Children will learn about variables, methods and working scientifically in a formal context.

4



P

Electricity

Children will learn about static electricity. They will learn the parts of circuit as well as conductors and insulators.

4

Sound

Children learn about how sound travels in waves and at different frequencies. They will conduct experiments to observe sound frequencies.

4



B

Food chains

Children will learn about ecosystems and food chains. They will also classify the different parts of the food chain and how a food chain can be disrupted.

4



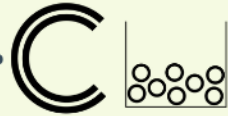
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Separating mixtures

Children will learn the difference between pure substances and mixtures. They will learn how to separate mixtures and conduct experiments.

5



P

Earth and Space

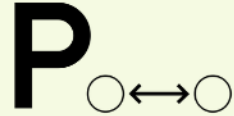
Children learn about the solar system and the different planets and stars. They will also learn about solar and lunar eclipses.

5

Forces

Children learn about contact and non-contact forces. They will learn about attracting and repelling magnet forces.

5



B

Animal growth

Children learn about animal (including human) growth. They will learn about the process of aging and be able to describe the different stages.

5

Practical skills

Children will learn about variables, methods and working scientifically in a formal context.

5



B

Reproductive cycles

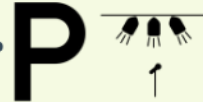
Children learn about asexual and sexual reproduction. They will investigate life cycles in different animal and plant groups.

5

Light

Children revisit learning on of light and investigate the different colour spectrum of visible light.

6



B

Circulatory system

Children will learn about the circulatory system including the organ of the heart.

6

Living things

Children will learn about how living things are classified into broad groups (including plants and animals).

6



Practical skills

Children learn about variables, methods and working scientifically in a formal context.

6

Electricity

Children will learn about electrical circuits. They will compare variations in how components function and are represented in a simple circuit.

6



B

Evolution and inheritance

Children will learn about inherited traits and adaptive traits. They will have examined fossil evidence supporting the idea of evolution.

6

