Our Science Learning Journey

Science Enquiry:
In every year group, across the year, children will answer questions using scientific enquiry skills:

- Researching
- Identifying & Classifying
- Observing
- Pattern Seeking
- Comparative & Fair Testing

YEAR 3

Helping Plants Grow Well
Why do plants have flowers?

With help I use straightforward scientific evidence to answer questions or to support my findings.

I can talk about what went wrong.

With help I can present my data.

Rocks & Soils
Who was Mary Anning and what did she discover?



Mary Anning

Our Bodies
What is a healthy diet and why is it important?



Marie Curie

Magnets
How can we move magnets?

I am beginning to understand how to make a test fair.

I am beginning to make systematic and careful observations.

Light and Shadows
What is a shadow?

I can ask questions and I recognise that there are different types of enquiry.

Animals
Why do different animals live in different places?

I can perform a simple test.

YEAR 2

Living things and their habitats
How would you group things to show which are alive, dead or never been alive?

I can identify and classify.



Steve Backshall

Animals including humans
Do living hings change or stay the same?

I gather and record data to help me answer my questions.

Rachel Carson

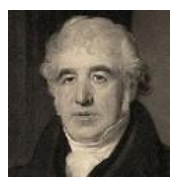


Healthy Me
What food do you need in a healthy diet and why?

I observe closely, using equipment and non-standard units.

Materials
What are the things I use made from?

With help, I can gather and record data to help me answer my questions.



Charles Macintosh

Plants
Where does my plant need to grow?

I ask simple questions and recognise these questions can be answered in different ways.

John McAdam

Uses of everyday materials
How do we choose the best material?



Types of Animals
What are animals like?



Beatrix Potter

I talk about what happened and/or what I saw.

I observe using my senses.

Growing Plants
Are all plants green?

YEAR 1

Senses
Is our sense of smell better when we cannot see?

With help, I use simple equipment and non-standard units to find things out.

Naming Plants and Animals
What are the most common British plants?



Charles Waterton

I make suggestions about how to do things when we plan a simple test.

Humans and Nature
What are the names of our body parts?

With help and encouragement I ask simple questions that begin with why, what if, how or when.

Seasonal Change (throughout year)
What is it like in Winter, Spring, Summer & Autumn?

Materials
What materials could we use to build a strong house for the 3 Pigs?



I can recognize and describe patterns.

In the Jungle
Where do animals live in the rainforest?

I can use everyday language to talk about things and solve problems.

New life (plants & animals)
How do plants and animals change as they grow?



Winter
How do animals survive in the cold?

EYFS

Light & Dark
Can I see in the dark?

I can handle equipment effectively.

All about me!
How can I keep healthy?



I can make observations and explain why some things occur.

Seasonal Change (throughout year)
I can ask and answer how & why questions about my experiences.

Red text indicates Working Scientifically Skills