

SCIENCE AT OAKFIELD

What does science look like at Oakfield?

Children learn through practical activities which develop their investigative skills and encourage a desire to find out about the world around them.

In KS1 we study living things, animals, plants and materials.

In KS2 we study a variety of themes through biology, chemistry and physics using Empiribox.

We encourage children to discover, investigate, ask questions, observe, collaborate, predict, investigate and conclude.

Children are able to use correct and appropriate scientific vocabulary to explain what they observe.

I love it when our experiments fizz. It makes our learning exciting and fun.

George

I like science because you can learn how the world works through fun experiments.

Bébé

Why do we learn science?

Science enables children to explore the world around them and how it works and pose questions. Through outside learning, they can appreciate the animals and plants with which they share the planet. It broadens their understanding of everyday concepts, patterns and changes, and encourages a passion for investigation. Our work will help children to understand the uses and implications of science, today and in the future.

What learning opportunities are there?

Each year we try to have a variety of visitors in linked to science to undertake workshops with the children.

Last year some year groups had a trip to the Science Museum.

The tepee has a variety of uses within the science curriculum and children can be taken up to explore them in more detail.

In year 2 we take part in the annual 'Grow your own Potatoes' competition.

I like science because I like seeing what happens in experiments.

Isla

I like doing the potions because you can mix solutions. I love the chemical reactions that we investigate.

Jagoda

Our visions for science

In science, we hope to inspire our children by giving them the opportunities to pursue their natural curiosity; promoting the experience of exploring and investigating scientific phenomena, in a range of contexts, to ensure a continually evolving knowledge and understanding of the world around them.

Our children will be encouraged to ask questions, experiment, reflect, make and learn from mistakes, in a safe environment. Through this they will acquire and apply core skills which equip them for an ever-changing world.