

The teaching of SCIENCE supports the following areas of the Curriculum Vision for Overfields Primary School

To have secure basic skills in maths and English

There are strong, well-maintained links between maths and science. Data handling features prominently in lessons across school. This ranges from simple sorting activities to Carroll and Venn diagrams as pupils move through the key stages. Science investigations involving weight and capacity help to secure these basic mathematical skills. Pupils use scientific equipment such as scales, thermometers and Newton meters to help them master number skills.

To have a love of reading

There is a strong link between reading for pleasure, reading for information and science. Children's stories provide a very useful context for pupils to learn about science. Stories can be used to teach the children about the growth of plants, rocks, animals and light for example. Pupils read historical documents in science and then develop their debating skills to argue whether the Earth is really spherical or not. Reading helps develop children's science experience and understanding of the world.

To stay healthy and safe

Practical work is at the heart of all science learning and so health and safety are important elements in all of our science teaching. School aims is to ensure that all pupils feel safe and secure in science lessons. Pupils are taught to act sensibly at all times and following teacher instructions. They are taught how to use all equipment in a careful and safe way. Science teaching ensures that pupils know, for example, how to act safely in the sun and with electricity.

To be aspirational

In Science lessons, pupils learn about scientists and their discoveries and how these have impacted on all of our lives. Our pupils learn to develop skills which prepare them for their future career pathways and the world of work. Visits to businesses with a scientific link are organised throughout their school career at Overfields. There is strong, positive teaching which help our pupils to be aspirational in their lives.

To be respectful and caring

Pupils are taught to treat all living things with respect and are shown how to care for animals as they learn about habitats and the animals which live in them. They should show respect for the professionals they meet during science and when scientists visit school. They do appreciate the skills and knowledge others bring to lessons.

To be inquisitive, independent and problem solvers

Pupils are taught skills to use in problem solving activities which are at the heart of their science teaching. They learn to work independently, having access to suitable resources to enable them to find solutions. Pupils are encouraged to ask and questions and to think in different ways.