

MAYVILLE PRIMARY SCHOOL SCIENCE POLICY

The Aims of teaching science

At Mayville Primary School we believe that a high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our world on a personal, national and global level and as such we ensure all children are taught essential aspects of the knowledge, methods, processes and uses of science.

We aim to stimulate a child's curiosity through building up a body of key foundational knowledge and concepts. Pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

We aim to achieve the above by:

- Following the National Curriculum Primary Education. Stage Early Years Foundation Stage (EYFS) will follow the Statutory Framework of Understanding the world.
- Building on previous skills allowing children to progress in knowledge, understanding scientific vocabulary and systematic enquiry.
- Providing opportunities for working scientifically, including those designed by the children themselves, using a variety of teaching styles and flexible groupings.
- Using ICT, mathematics and literacy skills where appropriate to enhance their study of science.

Wider Opportunities and Cross-Curricular Links

The teaching of science will be taught discretely; however there are many cross curricular links especially with first-hand experiences, direct observation activities and the use of the local and wider environment will be encouraged. Staff are encouraged to keep up-to-date with current thinking and resources by joining STEM and other organisations.

Assessment of Science

The assessment of Science is a key tool to ensure the progression and development of each child. Assessment of the each year groups progression statements are monitored by class teachers which helps inform planning for the following lessons. Data is inputted on a termly basis by all year groups to assess where children are in relation to their age related expectations.

Health and Safety

All activities, whether in the classroom, around school or off site should be carried out with due regard for safety in accordance with the school's Safeguarding and Health and Safety policies.