



# Our Science Curriculum

Our Science Subject leader is Mrs Pocock



## Our Curriculum Intention

At Hazeldene, we strive to promote the love of learning science and for children to understand and be curious about the science within their everyday lives. We aim to develop children's understanding of the role of science in society and so enable children to make informed decisions about their own wellbeing and the well-being of society and the environment in the future.

Working scientifically plays a major part in the children's learning experiences and children make links with their own lives. All children to work scientifically during lessons and work collaboratively investigating different concepts and ideas. It is our intention that by the end of each Key Stage, each child will have an understanding of a variety of scientific concepts, be able to confidently discuss them and relate them to the world around them.

## Our Curriculum Implementation

In order to allow children to reach their full potential, we cover the objectives set out in the Programmes of Study in the National Curriculum and 'Understanding of the World' in the Early Years Foundation Stage. Our Science teaching involves adapting and extending the curriculum to match all pupils needs. In years 1-4, Science is taught weekly as discrete lessons and where possible is linked to the term's topic. In Early Years, Science is integrated as 'Knowledge and Understanding of the World' and children receive daily child initiated learning opportunities.

Lessons are planned to suit the children's interest, current events and maximise cross curriculum links with other subjects such as Maths, English, ICT skills, Art and the Humanities. Lessons link science concepts to everyday life so the children can understand the world around them in a scientific way and develop our children's social skills by working in teams and encourage resilience, determination, perseverance, communication, collaboration, questioning and problem-solving.

Working Scientifically is embedded within our lessons and children are supported to develop the skills needed to ask and answer their own questions by planning and evaluating their own investigations. Enrichment opportunities in the form of trips, clubs and visitors serve to raise children's science capital and ensure that links are made to the real world.

Teachers use a range of formative assessment techniques to ensure there is clear progression towards our goals in science education and staff receive training to ensure their skills and subject knowledge are as up to date as possible.

Staff ensure judgments are sound by using best practice from within the Science Education Community and by moderating with internal colleagues and when possible teachers from other schools.

The Science Subject Leader monitors the implementation of the curriculum through learning walks, reviews of pupil's work, pupil, parent and staff conferencing, planning reviews. These monitoring processes inform future development and training needs in consultation with the Senior Leadership Team.

### **Our Curriculum Impact**

The impact of our curriculum is that our children acquire:

- a wide range of scientific knowledge and understanding and scientific enquiry/investigative skills.
- A rich vocabulary which enables them to articulate their understanding of scientific concepts.
- The ability to make informed decisions about their own lives and those that affect society and the environment
- High aspirations, which will enable them to maximise their life choices through further study or work.