

## Why is Science important?

Science is an important and valued subject because it is highly relevant; an integral part of daily life, from cooking and checking the weather, to recycling and nature walks.

Through science, our lives are changed for the better. We believe all pupils should be taught about the role that science plays in positive advancements, as well as scientific knowledge, methods and processes.

Advances in science are continuing to transform our world at lightning speed and we need to do our best to prepare our pupils for a future we can only imagine.

## When is Science taught?

Science is taught through thematic units. The attached overview (Appendix 1) maps out which thematic units feature this subject and the Long-Term Plan (Appendix 2) clearly shows the objectives taught.

## How is Science taught?

Science is taught through working scientifically (involving practical investigation, observation and application skills, enquiry and research) alongside specific taught subject knowledge. Learning takes place both inside and outside the classroom.



## How Does Our Learning Grow?

## **What do we learn about in Science?**

'Learning Means the World' Curriculum

We learn about:-

Plants

Animals, including humans

Materials

Seasonal changes

Living things and their habitats

Light and heat

Forces and magnets

Sound

Electricity

Earth and space

Evolution and inheritance

Movement

## **How do we assess and monitor Science?**

Teachers assess pupils' skills and knowledge in science using both formative and summative assessment. At the end of each thematic unit, children are assessed in science as working towards year group expectations (W), meeting year group expectations (E), or exceeding year group expectations (X). Teachers use subject specific criteria from the National Curriculum Programmes of Study to assess pupils' knowledge, skills and understanding within science.

Summative Assessment data is updated termly and made available to the science Subject Leader at regular points throughout the year. The Subject Leader uses this to monitor attainment and progress in science for the whole school.

Subject leaders monitor their subject throughout the year using a range of evidence including pupil and teacher voice, learning walks, learning environments and book scrutiny. Subject leaders also complete a 'Deep Dive' into their subject each year, to monitor pupil progress and teaching and learning within science.