

# Our Science Curriculum



***'The important thing is to never STOP questioning' (Albert Einstein).***

## **Work Together**

Young learners have a natural curiosity about the world around them and through science we aim to sustain and develop this, by providing enjoyable scientific activities and opportunities to help them understand how natural phenomena can be explained.

The practical, hands-on experiences, enable learners to work collaboratively to explore key ideas introduced through termly blocks of work, linked to our two-year rolling cycle science curriculum. Where possible, this is linked to other areas of the curriculum to enable connections to be made with subjects such as maths, English, history etc. The skills of enquiry are at the heart of all learning and these are developed and built upon as learners progress from one year group to another. Scientific vocabulary is introduced and taught through each block and technology is incorporated where appropriate.

## **Grow Together**

Through a series of lessons which build on areas previously taught in other year groups, learners will be introduced to some of the key ideas related to the block. These may be initiated through texts, videos, drama, artefacts or other techniques. Learners are encouraged to ask questions and debate subjects to develop their curiosity and interest in exploring these further through fun and engaging experiments.

To enable all learners to succeed, lessons may be differentiated through the use of specific resource, technology, or adult support. In some cases, key vocabulary may be introduced prior to lessons where this is helpful.

Teachers will attend regular science professional development, as well as have opportunities to work collaboratively with other schools to ensure learners throughout the school, continue to enjoy science and remain curious about the world around them. Science leaders will monitor the progression of learning through book scrutinise and monitoring with other schools.

## **Flourish Together**

As learners become more experienced, they will progressively be encouraged to make decisions about how key scientific questions might be investigated, considering what resources are needed, how they will carry out the investigation and how they will record their results. They will also choose the best ways of presenting their evidence and be able to evaluate their findings.

Learners will share their achievements and interests through science displays, assemblies, science clubs, science weeks and enrichment opportunities, such as volunteering to become a science ambassador. They can ask scientific questions and articulate their understanding using appropriate scientific vocabulary.