

## **Science**

In order to ensure that our intent of exciting and inspiring pupil's natural curiosity is met, we will ensure that pupils are taught a minimum of one science lesson per week that has a clear focus and learning intention linked to the national curriculum. These clear learning intentions will be planned and assessed against progressive skills provided by Science Bug progression maps; ensuring that all lessons build effectively upon children's prior knowledge so that the learning throughout our school is progressive for our pupils to be confident in retrieving prior scientific knowledge.

In order for us to be able to inform our planning, and build on prior knowledge, we need to ensure clear assessments are in place. Formative assessments will take place each lesson through teacher observation of work and investigations, alongside questioning, to build a detailed picture of a child's understanding throughout a topic. Summative assessments in the form of investigations or quizzes may take place (if necessary) at the end of each topic to clarify formative assessments.

Throughout their science education, we aim to deliver adequate opportunities for pupils to work collaboratively and allow their inquisitiveness to guide their learning. All lessons will be planned with our intent in mind so that we provide pupils with motivating, engaging and exciting activities to feed their curiosity. In order to achieve these motivating and engaging lessons, we will ensure that lessons contain a combination of a wide variety of resources, websites, activities and hands-on investigations.

Due to our intent of preparing our children for life in an ever-increasingly technological society, we will ensure that opportunities for pupils to develop their technology, maths and engineering skills are woven into our science curriculum and clearly evident in our planning. As well as this, we will ensure that our teaching is pertinent to science with a real-life context and encourage pupils to ask relevant questions about the world around them. We will also aim to deliver a cross-curricular approach for English opportunities in science as well, ensuring that our pupils understand, and are able to use, a wide variety of scientific vocabulary.

At Poulton Lancelyn, we believe enrichment opportunities can enhance pupils learning experiences and therefore, through working closely with companies such as Hi-Impact, will include as many enrichment

opportunities as possible to develop our science teaching further for our pupils.

