

## **Science - Statement of Intent, Implementation and Impact**

At Widmer End School, we aim to give children an understanding of the world through the teaching of science. Pupils will be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They will be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

### **Intent**

We will develop scientific knowledge and conceptual understanding through a progressive and consistent approach.

We will develop understanding of the nature, processes and methods of science through different types of enquiries that help pupils to answer scientific questions about the world around them.

Pupils will be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future

### **Implementation**

All science lessons follow the Ark Curriculum scheme of learning. Within each topic pupils are given the opportunity to review and consolidate their learning through the use of retrieval activities. This equips pupils with the knowledge that they can then apply practically to their science work.

Teachers will deliver practical experiences that will encourage the pupils to develop a sense of excitement and curiosity. Pupils will be encouraged to investigate, hypothesise and evaluate to form conclusions about how the world works.

Where appropriate, pupils will record their predictions, methods, observations and conclusions using text, diagrams and tables.

### **Impact/ Assesement**

Knowledge and skills will be assessed by lesson observations, topic quizzes and whole school work scrutiny. The children also complete an end of topic assessment activity which informs teachers of their learning. This is then inputted and analysed through a whole school tracking system.

### **Impact - How do we know that pupils are succeeding?**

Pupils will be curious about the world around them and express this through the use of scientific language. Pupils will make connections between different science topics, subjects and learning from previous years. Science profiles across the school will be embedded across the curriculum, children are empowered to explore, investigate and question.