

## **Science Intent at The Acorn Federation**

At The Acorn Federation, our curriculum follows the aims and programmes of study in the National Curriculum for Key Stages 1 and 2 and the EYFS Framework in the Foundation Stage.

We want all of our children to:

Develop, through discussion, investigation and observation, a greater sense of curiosity and excitement about the world around them.

Progressively improve their substantive knowledge, of the concepts, laws and theories of Science through the study of the living world, materials and physical processes.

Develop their disciplinary knowledge of the practices of science (Working Scientifically).

Be equipped with scientific knowledge to enable them to understand the uses and implications of science, today and in the future.

Our Science curriculum is designed to provide stimulating and challenging experiences to help children answer scientific questions about the ever-changing world in which they live.

### **Implementing the Curriculum**

We use the Primary National Curriculum as the basis for all our planning. Science is taught weekly in The Acorn Federation. The KS1 class follows a three-year cycle of topics and the KS2 class follows a four-year cycle with each topic area being covered at least once in each key stage. Many topics are revisited in Years 5 and 6, progressively developing children's skills and knowledge. We ensure that there are opportunities for children of all abilities to develop their skills and knowledge in each unit. Differentiation is planned and built in to ensure that children are supported or challenged appropriately.

In addition, Working Scientifically is incorporated into all Science units of work, enabling these to be developed continually. These skills include answering scientific questions, using specialist apparatus, analysing, presenting and evaluating their work. Children share their knowledge of Science in class and in our Celebration Assemblies.

### **Impact**

The Impact of the ambitious Intent above will be reflected in our children's skills and knowledge in Science, drawing on evidence from the work in their books, questioning in lessons, discussions with pupils, observations of lessons and assessments. Do children know more and remember more in Science?