Curriculum Statement for Science

Intent – What we want to achieve

At William Austin Infant School, our mission is to create a learning environment 'Where All Individuals Shine'. We understand the importance of nurturing and developing all children into confident scientists who are not afraid to take risks and self-reflect on their learning. We place a significant importance on developing children's understanding and use of scientific language which recognises that our school and local community has a high proportion of people who have English as an additional language.

Through our Science curriculum, we **intend** to develop all children's understanding of the world around them, whilst acquiring specific skills and knowledge to enable them to think and work scientifically. We **intend** to develop a wide range of skills in children, including the skills of observation, planning and investigating, as well as the skill of questioning the world around them. We **intend** for children to become independent learners when exploring possible answers for their scientific-based questions.

Implementation – How we will achieve this

At William Austin Infant School, we provide children with high-quality weekly Science lessons that are creative, engaging and inclusive. Key skills are taught and developed in carefully planned lessons. Each year group follow their own Science curriculum overview in which prior knowledge and skills are revisited whilst continuing to further develop knowledge.

Our ambitious Science curriculum is **implemented** through lessons which follow the EYFS and National Curriculum objectives. In EYFS, our Science curriculum is **implemented** through the children learning about the world around them through a play-based curriculum. Opportunities for whole class planned scientific investigation in which children learn the basis of predicting and testing is explored within Year R. In Key Stage One, children are asked what they already know and what they would like to find out at the start of each scientific topic. This ensures our Science curriculum is **implemented** in a way which addresses our children's needs and interests and planning is adapted accordingly. Our Science curriculum is progressive; science teaching builds upon the learning and skills developed in previous year groups. A sequence of carefully planned lessons is devised with opportunities which enable children to research, interpret and present like a scientist.

Impact – The Outcomes

The **impact** of our Science curriculum is seen through children's increased understanding of Science in the wider world. Children develop an understanding of what they are learning and link these to real-life contexts. The **impact** of their science lessons can be seen through the independent questions children pose outside of their science lessons. Through our Science curriculum, we ensure that children develop the skills they need to be able to investigate and explore their own scientific questions without fear of making mistakes. The **impact** of our Science curriculum is that children are curious learners who are willing to investigate questions independently and have developed the skills needed to explain the reasons for their prediction and the results of their fair test.