Poulner Vision for Science

Nurture confident and resilient learners
Develop creativity communication and teamwork
Promote a global awareness of events and achievements taking place in the wider world

Poulner Values	Creativity	Challenge	Collaboration

Intent	Implementation	Impact
• To provide children with scientific knowledge and processes identified in the National Curriculum, applied through investigations, building upon their natural curiosity about the world around them. • To design fun and stimulating science lessons that nurture children's inner 'scientist' through a hands-on and enquiry based curriculum which promotes; asking questions, collaboration, use of scientific vocabulary, investigating, evaluating and making choices. • For children to identify real world uses of science which they can link to their own experiences, developing an appreciation of what it is to be a scientist. • To provide a challenging curriculum which will inspire and excite the children, including opportunities for reflection, awe and wonder. • To support children to develop an understanding of how important and relevant science is to their lives, now and in the future.	• Creation of a progressive science curriculum which enables children to learn through observation, exploration and investigation. • S-Plans and Knowledge Organisers are utilised to support planning, communicate expectations and identify assessment opportunities. • The long term plan has a 'cyclical' element which integrates the opportunity for reflection, enabling progression, challenge and depth of knowledge. • Children are given opportunities to apply their knowledge through real, practical experiences; generating questions and designing methods to answer them, encouraging their natural curiosity and creativity. • Our grounds and Forest School areas enable children to observe, explore and interact with nature. • Key scientific language is modelled and taught throughout lessons enabling our children to be familiar with and use vocabulary accurately.	• Children and Staff at Poulner Infant School and Nursery who are enthusiastic about science. • Children who are engaged and inspired to ask questions, have ideas and want to learn more. • Children who understand how science links to and impacts upon their own lives. • Children who can use accurate and correct scientific vocabulary when discussing and explaining scientific concepts. • Children who can recall previous science learning and use this to integrate with and understand new knowledge. • Children who view themselves as 'scientists', can draw upon scientific enquiry skills enabling them to ask questions, test theories and draw conclusions, independently and collaboratively. • Children who are challenged appropriately through on-going assessment and identification of misconceptions, enabling them to make good progress.

 I will be resilient and not be scared to make mistakes. I will stay focussed on my learning, even if it gets tricky. I will persevere, even if it isn't what I thought it would be after my first attempt.	 I will reflect, make changes and try again. I will ask questions to help me to improve or make changes. I will challenge myself to evaluate my work and make amendments.	 I will find a strategy that best helps me solve a problem. I will look for possibilities to enhance my creativity and deepen my knowledge.	 I will listen to opinions. I will work collaboratively to reach the best outcome for all. I will support those around me.	 I will show respect to my peers by listening. I will be kind and helpful to those around me. I will share my ideas to support my peers.