**Science - Intent, Implementation, Impact**

Intent

At Seabridge Primary School, in Science, we aim to encourage curiosity in children so that they ask questions that fuel enquiries and investigations about the universe we live in. We want to foster and develop pupils’ curiosity, enabling them to make sense of the world around them; asking questions about an increasingly scientific and technological world.

Through the exploration of Biology, Chemistry and Physics, we will engage pupils through a range of hands-on experiences to lead our learning, equipping pupils with the intellectual and practical knowledge they need, making reasonable adjustments as necessary. This will all take place through activities that require a progressively more systematic and quantified approach, which develops and draws upon an increased knowledge and understanding of Science, whilst exploring the innovations and discoveries of key scientists. We want pupils to lead their own investigations, becoming critical consumers of results, questioning rigorously; delving deeper into the different disciplines to fully understand the wonder of Science.

Implementation

The knowledge base, as outlined by the National Curriculum, will give pupils the context in which to apply and test their knowledge, building on learning from Early Years, KS1 and through the entirety of KS2, in order to create a foundation of understanding which can be adapted and built on as they progress further in their learning journey beyond our own school. This is complemented by the ‘Working Scientifically’ aspect, which enables children to build on skills and understand what it takes to be ‘a Seabridge Scientist’, working with increasing accuracy to develop a thirst for learning within Science, which is all encapsulated within our Science Progression document.

Impact

Children’s Science knowledge and skills will be continually monitored by the class teacher, through a range of assessment opportunities including pupil discussions, marking at the point of learning, and recall and retrieval tasks, against the progression document for Science. Overall, our curriculum is designed to foster independent thinking and curiosity, in order to understand and appreciate the world around us.