



A Vision for Science

"Science is simply the word we use to describe a method of organizing our curiosity."

(Tim Minchin)

At St. Mary's we believe that if our pupils are to achieve their full potential within the Science curriculum we must stimulate their curiosity through a range of engaging learning experiences; exploring both the theoretical and practical areas of Science. We believe that through engagement with stimulating learning experiences, our children will become confident, **INDEPENDENT** and **RESILIENT** with a social conscience for their journey through life.



Through high-quality teaching of Science, the children will develop an ability to **REFLECT** on the ever-changing nature of science and consider how different scientific discoveries have impacted societies and **CULTURES** around the world. The children will also consider how these discoveries have impacted personal and others **WELLBEING**. Within the curriculum, the children will learn about significant individuals within Science and study how they have contributed to the world and their personal **POSSIBILITIES**.

When working scientifically the children will use **INITIATIVE** to combine subject knowledge with enquiry and practical skills. They should reflect upon previous knowledge and **ORACY** skills when applying scientific vocabulary to articulate their hypotheses and findings. Throughout their Science education the children should work towards independent enquiry; in which their own personal curiosities fuel their scientific explorations.

The children will display their work in a variety of ways contributing to **THE ARTS** within the school; Aside from the cultural and aesthetic value of the arts, learning about and participating in them contributes to a child's holistic development and wellbeing.



Purpose of study

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. (DfE National Curriculum in Science).