



St Antony's Catholic Primary School



## Science Curriculum Intent

### *St Antony's Science Curriculum's Intent:*

At St. Antony's Catholic Primary School, Science is fully inclusive to every child. Our aims are to fulfil the requirements of the National Curriculum for science; providing a broad, balanced and differentiated curriculum; ensuring the progressive development of knowledge, skills and vocabulary and for the children to develop a love of science. Furthermore, we aim to inspire in pupils a curiosity and fascination about the natural and man-made world and a respect for the environment that will remain with them for the rest of their lives. This includes the lessons they will be immersed in the classroom but also the other experiences they are offered, such as educational visits and enrichment days during our Whole School Science Week.

#### **The Aims of Teaching Science In Our School Are To:**

- Equip children to use themselves and their own prior knowledge and experiences as starting points for learning about science, and to build on their enthusiasm and natural sense of wonder about the world
- Develop through practical work the skills of observation, prediction, investigation, interpretation, communication, questioning and hypothesizing, and increased use of precise measurement skills and ICT
- Encourage and enable pupils to offer their own suggestions, and to be creative in their approach to science, devising their own invitations and taking lines of enquiry in a way that interests them
- Gain enjoyment from their scientific work individually and in groups

- Enable children to develop their skills of co-operation through working with others, and to encourage where possible, ways for children to explore science in forms which are relevant and meaningful to them building collaboration and negotiation skills
- Teach scientific enquiry through contexts taken from the National Curriculum for Science
- Encourage children to collect relevant evidence and to question outcome and to build resilience to persevere as it is likely they will need to repeat results or will encounter unexpected results that do not support their hypothesis
- Encourage children to treat the living and non-living environment with respect and sensitivity making links to Laudato Si and Fratelli Titti and our Moral and Values learned in RE
- Stress the need for personal and group safety by the correct usage and storage of resources – making links to health and safety and wellbeing
- To critically question the world around them and engage children in discussions around Catholic Social Teaching
- To enable children to appreciate that we do not always know the answers when carrying out scientific enquiry as the world around them is continually changing and developing –making links Geography and Ethics around environmental matters
- Equip children with the language to be able to discuss their learning and confidently explain their scientific understanding in small groups

### **Special Educational Needs Disability (SEND) / Pupil Premium / Higher Attainers**

**All children will have Quality First Teaching.** Any children with identified SEND or in receipt of pupil premium funding may have work additional to and different from their peers in order to access the curriculum dependent upon their needs. As well as this, our school offers a demanding and varied curriculum, providing children with a range of opportunities in order for them to reach their full potential and consistently achieve highly from their starting points.