



**ST. ANNE'S C.E.(VC) PRIMARY SCHOOL**



**Science INTENT, IMPLEMENTATION + IMPACT**  
**'Together with God, Making Learning a Life Long Friend'**

**Intent:**

At St Anne's C.E, V.C. Primary School, children join us with a variety of backgrounds relating to science. It is our intent to foster progress in all children, create an environment where there is: a confidence in questioning, be able to work scientifically, children that can confidently apply knowledge, be enthusiastic and creative thinkers.

At St Anne's we aim to provide an education in Science that:

- Develops children's knowledge and understanding of important scientific ideas, processes and skills and relate these to everyday experiences.
- develops a curious and questioning mind.
- Supports the skills of observation and investigation.
- Develops collection, retrieval, presentation and communication skills in a variety of ways.
- Acquires and refines the practical skills needed to investigate questions safely.
- Develops skills of predicting, asking questions, making inferences, concluding and evaluating based on evidence and understanding and uses these skills for investigative work.
- Applies practical mathematical skills in science based real life contexts.
- Teaches why numerical and mathematical skills are useful and helpful to understanding scientific concepts, support investigation and testing work.
- Encourages children to think creatively about Science and enjoy trying to make sense of phenomena.
- Develops language skills through talking about their science work and presenting their own ideas using sustained and systematic writing of different kinds.
- Uses scientific and mathematical language including technical vocabulary and conventions and draw diagrams and charts to communicate scientific ideas.
- Encourages children work with others, listening to their ideas and treating these with respect.
- Develops respect for evidence and evaluate critically ideas, which may not fit evidence available.
- Develops a respect for the environment and living things and for their own health and safety.

### **Implementation:**

The curriculum planning in Science carried out in two phases long-term (LTP), and short-term (STP)]. The LTP maps out the Science topics to be covered in each term during the Key Stage. This is available on the school shared area system under Science.

A commercial scheme is available to support teachers in delivering high quality Science, as well as Other supportive material such as Tig-Tag. Strengths and areas for development are identified with support and CPD given where appropriate.

Class teachers complete a STP for each Science lesson. These list the specific learning objectives for each lesson and give details of how the lessons are to be taught. Activities should build upon the prior learning of pupils and provide opportunities for all abilities to develop their skills, knowledge and understanding in each subject area. There is planned progression built into the schemes of work, so that the pupils are increasingly challenged as they move up through school.

### **Impact**

Our Science Curriculum, which is continually being reviewed and improved, is high quality, well thought out and is planned to demonstrate progression in the children's skills and knowledge. In addition, we measure the impact of our curriculum through the following methods:

- Assessments of standards achieved against the planned outcomes;
- A celebration of learning for each term which demonstrates progression across the school;
- Pupil discussions about their learning.

The impact of our curriculum will also be measured by how effectively it helps our pupils develop into well rounded individuals who embody our values and carry with them the knowledge, skills, and attitudes which will make them lifelong learners and valuable future citizens. We endeavour for pupils to have all six of our school's core values embedded and utilised by the time they leave St Anne's at the age of 11. These are: *kindness, respect, perseverance, honesty, faith and community*. When children leave St Anne's they are ready for their journey into High school, but well - rounded individuals with positive attitudes towards learning.