

Science

Intent

Science teaching at St Wilfrid's RC Primary aims to give all children a strong understanding of the world around them whilst acquiring specific skills and knowledge to help them to think scientifically, to gain an understanding of scientific processes and also an understanding of the uses and implications of Science, today and for the future.

At St Wilfrid's, scientific enquiry skills are embedded in each topic the children study and these topics are revisited and developed throughout their time at school. Topics, such as Plants, are taught in Key Stage One and studied again in further detail throughout Key Stage Two. This model allows children to build upon prior knowledge and increases their enthusiasm for the topics whilst embedding this knowledge into the long-term memory.

All children are encouraged to develop and use a range of skills including observations, planning investigations, as well as being encouraged to question the world around them and become independent learners in exploring possible answers for their scientific based questions. Specialist vocabulary for topics is taught and built up, and questioning to communicate ideas is encouraged. Concepts taught should be reinforced by focusing on the key features of scientific enquiry, so that pupils learn to use a variety of approaches to answer relevant scientific questions.

EYFS

Science in the Foundation Stage at St. Wilfrid's is introduced through indirect activities that encourage our children to explore, problem solve, observe, predict, think, make decisions and talk about the world around them.

Links to the EYFS Curriculum - Understanding of the world

- *Physical development - Health and Self Care.*

Implementation:

As part of the planning process, teachers need to plan the following:

- An overview of knowledge (including vocabulary) all children must master;
- A cycle of lessons for each subject, which carefully plans for progression and depth;
- If applicable trips and visits from experts who will enhance the learning experience;

Impact: Our Science Curriculum is well thought out and is planned to demonstrate progression.

In addition, we measure the impact of our curriculum through the following methods:

- A reflection on standards achieved against the planned outcomes
- Pupil discussions about their learning;