



HOLY SOULS R.C. PRIMARY SCHOOL



Science

Mission Statement

"To love one another as I have loved you" is at the heart of our Mission Statement. Holy Souls is a place where we share our life in Christ, in the growing knowledge that Jesus loves us. Our school is a place where everyone is able to feel welcomed, valued, secure, loved and happy.

Through our Mission Statement we encourage all pupils to take pride in their achievements. Our Science policy is designed to ensure children can develop their God given talents, to achieve their full potential and their aspirations.

Intent:

At Holy Souls School, it is our intention to recognise the importance of Science in every aspect of daily life. It is an introduction to the world of living things, materials and physical processes. Science is a largely practical subject where children learn how to ask questions and develop ways of finding answers by encouraging a positive and natural curiosity and through practical enquiry. Children gain knowledge about our world using skills of observation, pattern seeking, classifying, prediction, fair testing and research. Pupils are inspired to respect and nurture the world around them, and open their eyes to a world beyond their immediate surroundings and into the future.

Implementation:

- Clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning shows progression across all key stages within the strands of Science.
- Content of our school curriculum is based on Plan Bee teaching documents.
- PLAN Knowledge Matrices are also used to support the planning of lessons to enable teachers to ensure that children are meeting key learning at a secure level and are applying knowledge by using a wide range of enquiry skills.
- Children have access to key language and meanings in order to understand and readily apply to their written, mathematical and verbal communication of their skills.
- Children of all abilities are encouraged to succeed by reflecting on previous learning and cross curricular links will be made wherever possible.
- Children are challenged to express their ideas both in a practical and creative sense.

- Children are taught how to ensure that safe practices are followed when using practical equipment and also in our natural environment.
- Attainment will be assessed each half term through formative tasks from Rising Stars; summative assessment from the Lancashire Science KLIPS 'Year Group Planning and Tracking' sheets; and through pupil's own self-assessment,
- The whole school curriculum overview ensures that all areas of the Science curriculum is taught with clear progression throughout the school.
- Science work is marked according to the learning objective, which is written at the beginning of pupils' work.

Impact:

- Most children will achieve age related expectations at the end of the year.
- Children will retain knowledge that is pertinent to science with a real-life context.
- Children will be able to question ideas and reflect on knowledge.
- Children will work collaboratively and practically to investigate an experiment and the world around them.
- Children will be able to explain the process they have taken and be able to reason scientifically.
- Children will demonstrate a love of science enabling them to further develop study in this area in the future.

Equal Opportunities/Inclusion

We are committed in our Mission Statement to develop the talents of every pupil, regardless of their gender, race or cultural background. We ensure that we plan to meet the needs of all our children by setting appropriate learning challenges and responding to pupils' diverse learning needs.

Foundation Stage

In Reception (Early Years Foundation Stage) children develop the knowledge, skills and understanding that help them to make sense of the world. This forms the foundations for later work in Science. Activities are presented which foster child centred experiential learning. Each child's progress is monitored against the Early Years Foundation Stage Understanding the World Early Learning Goals.

Health and Safety

The procedures for the teaching of Science are dealt with in line with the school's Health and Safety Policy and through the online resource CLEAPSS.

Mary Healey, September 2021.