



Dolphinholme CE Primary School

Science Statement

September 2021

MISSION STATEMENT

‘With God at the heart of everything we do,
We educate by encouraging a sense of wonder, praise and mutual respect.
We offer every child opportunities for success,
Making them confidently equipped for life’s journey.’

Intent:

At Dolphinholme CEP School, we believe learning has no boundaries.

Science teaches an understanding of natural phenomena which the children encounter in their daily lives. We aim to stimulate and harness a child’s curiosity in finding out why things happen in the way that they do. We teach methods of enquiry and investigation to stimulate creative thought. Children learn to ask scientific questions and begin to appreciate the way in which science will affect the future on a global, national and personal level with particular attention to climate change and global warming.

Where possible, the teaching and learning of science is directly linked with the surrounding countryside and locality in which many of the children live and all experience as part of their daily lives. This allows science to become a meaningful learning experience.

Our intent is to match the children’s learning with their abilities and interests to personalise our provision.

Implementation:

By the end of each phase, we expect all children to have met the objectives set out in the National Curriculum for Science. We achieve this by ensuring that a balanced progression of enquiry type, scientific knowledge and skills is taught during a child’s journey through our school.

We use a variety of teaching and learning styles in science lessons for inclusion of all pupils’ abilities, learning styles and stages of development.

We develop an understanding of the nature, processes and methods of science through the five different types of enquiries (research using secondary sources; observation over time; pattern seeking; identifying, classifying and grouping; comparative and fair testing) that help children

answer scientific questions about the world around them. Dolphinholme is situated in a rich natural environment and we aim to take advantage of this.

We encourage the children to be open minded, to self-assess, to persevere and develop investigative skills which include: observing, measuring, predicting, hypothesising, experimenting, communicating, interpreting, explaining and evaluating.

We ensure that they have access to enrichment opportunities, including educational visits and visitors which help develop their science capital and aim to offer aspirational experiences.

Dolphinholme School has Lancaster University in close proximity with a wealth of expertise and opportunities which we use. We encourage the children to make links between science and the other subjects in order to embed the understanding that science is in every part of life.

We prepare them for life in an increasingly scientific and technological world today and in the future.

IMPACT

The impact on our children is clear: progress, sustained learning and transferable skills. With the implementation of the investigation focus being well established and taught thoroughly in both key stages, children are confident scientists by the time they leave Dolphinholme School.

Termly assessment shows that a large majority of children meet age-related expectations and a significant number demonstrate a deeper understanding. As all aspects of Science are an integral part of the curriculum, cross curricular links are highlighted and developed; children are consolidating their skills and are developing a deeper understanding of Science in everyday life and the awe and wonder of the world around them; God's fingerprint on the world.

As children move on to further their education and learning, their thinking skills, passion for Science, and high aspirations travel with them and continue to grow and develop as they do.

