

The member of staff responsible for Science is Mr Middleton.

What?

At Dovecotes, we want our children to be naturally curious and excited about the world around them. We recognise the importance of science in every aspect of our daily lives and aim to develop inquiring minds. As a core subject, we give the teaching of science the prominence it requires. We plan opportunities to increase the use of scientific vocabulary to expand language acquisition. We want our pupils to be competent in applying the key scientific skills of using equipment, recording, observing and measuring and so focus our practical lessons around these specific skills. Our science curriculum is cumulative and progressive. It focuses on the sequential development of essential knowledge underpinning biology, chemistry and physics. Over time, these building blocks embed a deep understanding of the real world so that pupils know more, remember more and understand more about science.

How Dovecotes Primary School's Science curriculum promotes our core values:

We teach our children to **be creative**. We want our children to come up with new ways of looking at the world by constantly asking, "What if...?" and then going on to logically think through the consequences and problem solve.

We encourage pupils to **be honest** in the measuring, recording and reporting of findings, being appropriately sceptical of and adjusting their views based on evidence, and sharing their methods with others.

We provide opportunities for children to **be kind** and work collaboratively to plan and carry out scientific investigations and project work as part of a group. When working collaboratively, there is a focus upon communicating effectively. These experiences, whether successes or failures, will help build resilience. We teach children to respect their environment and allow time for them to explore and use their senses to realise what a wonderful world we live in.

We aim for children to **be ambitious**. They will learn about famous scientists throughout history up to the present day from different ethnicities, countries, genders and backgrounds, allowing children to be inspired to follow a scientific career path. They will understand that science is vital to the world's future prosperity including the role that science plays in the field of STEM.

We aim to give opportunities for pupils to **be brave** in science lessons, ensuring they take well managed risks to find out about the world around them and as a result become confident, innovative scientists of the future who want to make a difference in our ever-changing world.

Our Science curriculum also teaches children to **be healthy**, ensuring they have a thorough understanding of their bodies, exercise, food and how it can impact upon their physical and mental health.