



Science

Subject on a page



Intent—What are we delivering?

Our intent for science is to inspire children to become curious, inquisitive and analytical thinkers with a broad understanding of the natural world – in other words, to think like scientists. Our intention is for children to develop the confidence to ask questions, make observations, carry out investigations, record data in a variety of ways and analyse and present their findings.

Our curriculum aims to build an awareness of how science influences everyday life and drives progress in society. The hope is to encourage pupils to become reflective, responsible individuals who use scientific knowledge and skills to make informed decisions and contribute positively to the world around them. We build the knowledge, language and skills throughout their scientific journey with us so they can build on their success within biology, chemistry and physics in secondary school and beyond in their future careers.



Implementation— How do we deliver it?

At St. Leonard's, we follow the 'Kapow' scheme of work for science, which covers all aspects of the National Curriculum. The scheme was chosen as it has been created by subject experts and is based on the latest pedagogical research.

Pupils at St Leonard's participate in weekly science lessons and are encouraged to draw on knowledge from other subjects such as Maths, Computing, English and DT. Lessons incorporate both written activities and practical sessions using a range of resources and equipment, exposing children to a range of experiences and challenges to enhance their learning. We also use a range of working scientifically skills to create sticky knowledge and understanding through investigation and observation.

We deliver carefully planned activities using scientific vocabulary and enquiry based learning to develop the process of questioning, experimenting, collecting data, looking for patterns and drawing conclusions.



Impact—What will we see when we have delivered it?

Children enjoy science lessons, are engaged in activities and see the value in learning about the wider world.

Children can talk confidently about what they have learned using appropriate scientific vocabulary and show a secure knowledge of concepts and skills.

Children understand the importance of science and feel that they are all scientists in school with the ability to challenge, investigate and explain.

Children demonstrate a range of skills, think independently, carry out investigations and can explain their findings.

Children have a secure understanding of the history of scientific discoveries and significant scientists and how they have made an impact on our world.

Children are inspired by science and can confidently apply their scientific knowledge and skills to other areas of learning.