



Bailey Green Primary and Nursery School together with Bailey's Butterflies

Science Statement of Intent, Implementation and Impact

Intent:

Our Science curriculum has been designed to foster a healthy curiosity about our universe and about the living and non-living. Through the teaching of knowledge, concepts, skills and positive attitudes, we encourage our children to put forward hypotheses, make predictions about outcomes, work practically, explain concepts and continue to ask questions. Science at Bailey Green is about developing children's ideas and ways of working that enable them to make sense of the world in which they live through investigation, as well as using and applying process skills. Through STEM, we aim to provide a broad and balanced approach to Science, so that our children make links within and across subjects, and by understanding the work of scientists both past and present, we show children how important Science is to development and change within our world.

Implementation:

Science lessons are timetabled for two hours a week in KS1 and KS2. Long term plans map out units of work covered half termly and links to Topic made. Children record in their Science books in a range of ways; cross curricular writing, recording results, use of photographs and seesaw QR codes. There is a display in each classroom with key vocabulary for each current topic to support the children with new vocabulary and spelling. Our Science curriculum offers a mix of practical investigations and experiments as well as recorded work, progressive across the year groups. Each child has a concept map with key information for each unit of work stuck in their book to refer to. The children also use mind maps to record prior knowledge and new learning at the end of each unit. Progressive lessons are planned to ensure prior knowledge is referred to and built upon to extend and challenge all children. In Early Years, our Science curriculum comes under 'Understanding the World' where children have real life experiences to discover and explore the world around them.

Impact:

Our aim through the teaching of Science at Bailey Green will result in an engaging, challenging and high quality science education that provides children with the foundations for understanding the world around them. Children will be able to demonstrate a love of science work and show an interest in further study and work in this field. They will retain knowledge that is pertinent to Science with a real life context, be able to question ideas and reflect on knowledge and be able to articulate their understanding of scientific concepts using scientific vocabulary learnt. Children will be able to work collaboratively and practically to investigate and experiment.