Green Lea First School
Science

'Learn, Explore, Achieve'

Intent

At Green Lea First School, our Science curriculum aims to inspire children's learning through exploration in order to know more and remember more about the science. At Green Lea First School we believe that a high quality and knowledge rich science education will give children the opportunities to explore their natural curiosity about themselves and the world around them. This is enabled through concept-led, exciting, practical and hands-on experiences that progressively develops children's scientific knowledge, skills and vocabulary across their school life. Recognising that science is a core subject within the curriculum, we strive to deliver effective scientific encounters that will be thought-provoking and inspire further questioning.

Implementation

At Green Lea, we follow the National Curriculum Programmes of Study for science. Both Key Stage 1 and 2 follow a two year rolling programme to ensure full curriculum coverage. Our Science journey starts in the Early Years Foundation Stage through Understanding of The World Development which prepares the children for Key Stage One. At Green Lea, learning always builds on prior knowledge to support children in making links within and across the curriculum areas that they study. Every unit is underpinned by key vocabulary, key concepts, core knowledge and explicit scientific skills. Teachers apply Rosenshines Teaching and Learning Principles to ensure children know more and remember more. Scientific enquiry is at the centre of the children's learning and this is planned for frequently within a unit of work. We provide regular experiential learning and enriching opportunities such as trips, immersion and visitors to make science learning meaningful.

Impact

Pupils will demonstrate a positive attitude towards scientific learning, their curiosity is nurtured; enabling them to ask questions and develop the skills that they need in order to answer them. They demonstrate progression in their scientific enquiry skills and are able to set up their own investigations, deciding which type of enquiry they will be focusing on. They will be able to make predictions, explain their findings, use specific scientific vocabulary and make conclusions about what they have found out. In addition, children will be able to evaluate their investigation and suggest improvements. Children will demonstrate a secure knowledge and understanding of their scientific learning that prepares them for their future education and beyond.