



What makes a good scientist?

Curriculum
Information
Spring 2017

This term we will be learning 'What makes a good scientist?' looking at how scientists help us to understand how things work. The children will learn how scientists ask questions, conduct experiments and draw conclusions to help explain the world around us. We will be investigating questions such as; where does light comes from? How do birds fly? What happens when we eat food? How does a volcano work? Why do some objects float and some sink?

Understanding of the World

We will be asking questions, conducting experiments and trying to explain what we find out. The children will learn about light and dark, different materials, flight, the human body, forces, sinking and floating, growing and volcanos. We will be presenting what we have learnt during the school STEAM exhibition. Be prepared to learn something new about the world!

Literacy



Our class books this term are linked to our topic, they include; Can't you Sleep Little Bear? I'm Growing, The Tiny Seed and Who Sank the Boat. The children will be writing their own stories, poems and reports explaining how things work. They will also continue with Phase 3 Phonics to support their blending sounds to help read words and segmenting sounds to help them write.

Maths



We will be learning to count forwards and backwards from 0 to 20, finding ways to add 2 groups of objects and to take away a smaller group from a larger group. We'll continue to work on recognising numerals and their value. We will begin to learn about doubling and halving and what we can do to find answers to number and measuring problems related to our topic.

Physical Development



This term in PE we will begin to develop our throwing, catching and aiming skills with balls, bean bags and small hoops. We will continue to improve fine motor skills to help form letters and numbers, cut accurately with scissors and use brushes, stamps and rollers for painting and printing.

Reception



Expressive Arts and Design



The children will be making a light sculpture in our studio using recycled bottles and learning how to make shadow puppets to help understand light and dark. We will be experimenting with thick and thin paint, blowing ink with different sized straws and tubes and investigating how to mix different colours.

Communication and Language



We will be learning how to use our sense to describe our surroundings, what we are doing and what we are planning to do. The children will be developing their vocabularies by attempting to explain how things work such as; why do cakes get bigger when you cook them? Why do magnets stick to metal but not wood?

Personal, Social and Emotional Development

We will be continuing to learn how to be a good friend and help others through circle time games, class discussions and stories. The children will be learning how to identify how they feel and how feelings can change.