



# 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 we feel in the dark? What happens when we eat food? How do things move? 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, the human body, forces, sinking and floating and growing. 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 names and simple labels. They will also continue with Phase 1 to support their blending sounds to help read words and segmenting sounds to help them write.

**Maths**   
The children will continue to count using 1:1 correspondence. They will count forwards and backwards from 0 to 10, adding and taking away 1 and finding ways to add 2 small groups of objects. The children will continue to work on recognising numerals and representing their value using fingers and objects. They will continue to solve simple problems involving numbers, shapes and measure.

**Physical Development**   
This term we will continue to develop children's gross and fine motor skills by encouraging them to use large and small equipment safely, inside and outside. The children will use writing equipment, such as pens, chalk, paint brushes to write their names and simple labels. The children will use equipment safely to cut, stick and join materials for their models and structures.



## Expressive Arts and Design



This term the children will be exploring light and dark. They will be making shadows using their body. They will be creating models, sculptures and shadow puppets using recycling materials. The children will explore how light and dark changes by experimenting with objects that give and reflect light. They will investigate what happens when we mix different colours, when we shine a torch into a mirror or through a small hole.

## Communication and Language



The children will be learning how to use their senses to explore their immediate environment. They will be encouraged to use full sentences when answering questions or describing what they can see, smell, taste, hear and feel. We will be encouraging children to share their ideas and thoughts and plan together their projects and how to solve simple problems. The children will be attempting to explain how things work.

## Personal, Social and Emotional Development

We will be continuing to be aware of the boundaries set, and of behavioural expectations in nursery as well as supporting them when negotiating and solving problems. We will be using stories and our own experiences to help us become better learners and friends. The children will be learning to identify how their feelings and behaviour can affect others.