

National Curriculum Objectives

KS1 Science

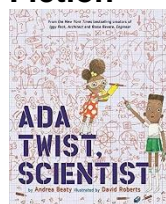
- asking simple questions and recognising that they can be answered in different ways
- observing closely, using simple equipment
- performing simple tests
- identifying and classifying
- using their observations and ideas to suggest answers to questions
- gathering and recording data to help in answering questions
- identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense
- identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses

Links to our school values

Service
Thankfulness
Respect

Texts to support learning

Fiction

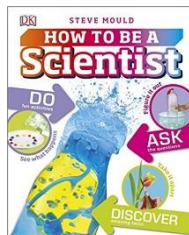


Ada Twist, Scientist – Andrea Beaty

Non-Fiction



What do Scientists do all Day? – Jane Wilsher
How to be a Scientist – Steve Mould



Key Knowledge and Vocabulary

Know and name the five **senses**
Know that we smell with our nose
Know that **Linda Buck** is a **scientist** who **discovered** how we smell things.
Identify and describe different smells.
Match smells with the things that make them.

Know that **Louis Pasteur** was a scientist who discovered how **germs** are **spread**
Know that germs can cause and spread **diseases**
Know that germs can be spread through touch or through the air
Know and explain ways in which we can stop germs spreading – hand washing, sneezing into a tissue etc
Know and explain how to wash our hands properly

Know that **Charles Macintosh** was a scientist who **invented waterproof** fabric
Know that some **fabrics/materials** are waterproof, and others are not
Know how to **test** materials to find out how waterproof they are

Know that **Chester Greenwood** invented ear-muffs
Know that a **thermometer** is used to measure **temperature**
Know how to use a thermometer to find the temperature
Investigate the best materials to keep us warm

Know that **Rachel Carson** was a scientist who studied the **ocean** and its **habitats**
Know that Rachel Carson discovered that the oceans were **polluted** with chemicals from **pesticides** because chemicals sprayed on farms and gardens could get into the ocean.
Set up a test to investigate Rachel Carson's findings on water pollution.
Know and explain why it's important to **protect** the oceans.

Know that **Isaac Newton** discovered **gravity**
Know that **pushes** and **pulls** are **forces** which can make things move, speed up, slow down or stop
Know that gravity is a **pull force** that pulls objects towards the ground.
Know that gravity stops things from floating around in the air.
Investigate the effect gravity has on everyday objects