

North Baddesley Infant School

Science Intent

At NBIS, we will ensure children have deep knowledge of key scientific concepts alongside the fundamental ability to think, to question and to challenge. Science is an ever-evolving discipline and as such we will foster learners who are well prepared for a changing future by showing curiosity, confidence and resilience. We aspire to develop these life skills by planning a stimulating, relevant curriculum that provides children with memorable experiences through which to explore, question and make sense of the world around them.

Content – YR

Whilst Science is not specifically mentioned in the year R curriculum, it is covered under one of the 7 areas of learning and development, Understanding the World. This area of learning involves guiding children to make sense of their physical world and their community. At North Baddesley Infant School we provide children with opportunities to explore, question and experiment with things. Children are full of curiosity and we embrace this, allowing children to take learning in their own direction. Children are encouraged to explore materials, explore how things work and why and to begin to understand the need to respect and care for the environment and all living things.

Science Curriculum – School Overview

Working Scientifically

During years 1 and 2, pupils will be taught to use the following practical scientific methods, processes and skills:

- 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.

Content – KS1

The national curriculum for science aims to ensure that all pupils:

- develop scientific knowledge and conceptual understanding through the specific disciplines of **biology**, **chemistry** and **physics**
- develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

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Science Curriculum – School Overview

YG	Curriculum Aspect	Theme	Term Covered
Year R	Senses		Autumn 1
	Light and Dark	Light and Dark	Autumn 2
	Forces	On the Move	Spring 1
	Changes in the Seasons		Spring 2
	Habitats	Around the World	Summer 1
	Floating and Sinking	Under the Sea	Summer 2
Year 1	Animals survival	African Animals	Autumn 1
	Describing Materials		Autumn 2
	Habitats		Spring 1
	Plants	The Great Outdoors	Spring 2
	Plants		Summer 1
	Describing Materials		Summer 2
Year 2	Changing Materials		Autumn 1
	Changing Materials		Autumn 2
	Pushes and Pulls		Spring 1
	Animal life cycles		Spring 2
	Making New Plants		Summer 1
	Making New Plants/seasonal changes		Summer 2