



Achieving Success Together

Curriculum Overview: Science



School Vision:

Our Teachers... are creative, engaging and adventurous, offering an excellent curriculum that challenges and inspires to ensure every child is **ACHIEVING**.

Our Children... learn resilience and are happy, confident and independent learners who thrive on celebrating their **SUCCESS**.

Our School... is a safe and nurturing environment, where everyone works **TOGETHER** to role model our core values of respect, trust and honesty.

Intent:

To deliver a quality science curriculum that uses a hands-on investigative approach with child-led enquiry at its core to ensure progression across the school.

To ensure that science is delivered effectively through a wide range of cross-curricular learning that is exciting, challenging and exciting.

Our science curriculum will develop pupils' knowledge and skills:

Experiences will be

- Timely and meaningful
- Relevant, first hand and practical
- Raise questions and stimulate thinking
- Develop scientific vocabulary

Knowledge – pupils will be actively

- Involved in speaking and listening
- Developing mastery of the subject specific vocabulary and concepts
- Apply their learning to new contexts
- Form their own scientific explanations

Skills will be

- Acquired through a series of planned experiences
- Built on relevant knowledge
- Able to be applied to new contexts
- Used to express understanding.

Enrichment:

- Science week visitors e.g. Zoo Lab & Professor Bubbleworks.
- Annual STEM competitions e.g. *A Home for Nature / If you were an Engineer what would you do?*.
- STEM ambassadors visits e.g. Norfolk Wildlife and local businesses
- Forest Schools in the wildlife garden
- RSPB Big Garden Birdwatch
- School council (e.g. Plant to Plate scheme, consulting with our school kitchen for allotment plans / school menu and compostable packaging for school packed lunches
- Eco-themed assemblies and pupil-led assemblies in response to pupils' curiosity and concern for the planet.
- Science Cafes
- Munch Bunch workshops
- Big Pedal to school week
- Green gardening club
- Gardening on our school allotment.

2021-2022 Overview

Year Group	Autumn Topics		Spring Topics		Summer Term	
	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
Nursery/EYFS	Using senses to explore natural materials (bear dens, animal homes), animal life cycles and habitats (polar bears, brown bears, pandas)	Planting bulbs	Talking about changes and plant life cycles - story of bread, growing wheat, grinding to make flour, making bread, what happens to food as we cook it?	Plant and animal life cycles - planting and taking care of peas, beans, and sunflowers, animal babies on the farm. Using senses to explore materials - sensory 'farmyard'.	Exploring materials in relation to sound - making musical instruments, exploring changes - loud, quiet etc.	Exploring forces and materials - building bridges for the Billy Goats Gruff, keeping our bodies healthy
Reception/EYFS	Seasonal Changes – Autumn	Exploring using senses	Changes – signs of Spring. Cold places/hibernating animals.	Living and growing – human and plants/life cycles. Loud and quiet (music)	Moving toys, dinosaurs.	Floating and sinking; textures.
Year 1	Seasonal Change	Seasons Animals	Seasons Everyday materials	Seasons Plants	Seasons The Senses	
Year 2	Materials	Animal habitats (Adaption)	Living things and food chains		Plants	Keeping Healthy
Year 3	Light		Rocks	Plants	Animals including humans	Forces & Magnets
Year 4	Sound	Electricity	States of matter		Living things/habitats	Animals including humans
Year 5	Properties/ changes of materials		Earth & Space	Forces	Living things and their habitats	Animals including humans
Year 6	Light	Living things/habitats	Electricity	Animals including humans	Evolution & Inheritance	
LDC/SRB Year A	Seasonal Changes	Humans (senses and parts of the body) Animals	Seasonal Changes	Materials	Seasonal Changes	Animals Plants

