

Science

'Bringing science to life for our young scientists of today'

At NET, our Science curriculum aims to ensure that all pupils:

- Will be taught the knowledge and skills to provide a secure foundation in 'Understanding the World' through the disciplines of biology, chemistry and physics.
- Science is fundamental to understanding our lives and our futures and as such, it is a core subject.
- As scientists, pupils will develop their natural curiosity, questioning and evaluation of the world they live in.
- Pupils are 'progressively' taught skills to develop scientific enquiry to enable them to plan, predict, conduct and conclude investigations independently.

At the end of KS2, pupils will be able to:

- Ask and answer questions about scientific enquiry.
- Make predictions based on their prior scientific learning.
- Carry out investigations, observing over time; pattern seeking; identifying, researching, classifying and grouping and conducting comparative and fair testing.
- Interpret evidence and explain findings using their science knowledge and technical vocabulary

We aim to teach pupils conceptually in order to develop a deeper level of understanding throughout their time at school. Teachers will impart essential knowledge that has been planned progressively, through the NET curriculum, beginning in EYFS and across key stage one and two.

Long Term Plan	Autumn	Spring	Summer
EYFS	Through Understanding the World , children will experience the following areas throughout the year: Changes in the natural world Natural Materials Senses Plants Forces and magnets Animals Differences between materials		
Year 1	Seasonal Change (autumn) Physics Everyday materials Physics	Seasonal Change (winter and spring) Physics Animals including Humans Biology	Plants Biology Seasonal Change (summer) Physics
Year 2	Everyday materials Physics	Living Things and their habitats Biology Animals including Humans Biology	Plants Biology
Year 3	Animals including Humans Biology Rocks Physics / Chemistry	Forces and magnets Physics	Light Physics Plants Biology
Year 4	Animals including Humans Biology Electricity Physics	States of Matter Chemistry	Living things and their habitats Biology Sound Physics
Year 5	Forces Physics Earth and space Physics	Properties and changes of materials Chemistry	Living things and habitats Biology Animals including Humans Biology
Year 6	Electricity Physics Living things and their habitats Biology	Light Physics	Evolution and inheritance Biology Animals including Humans Biology

Rolling Programme

	Autumn	Spring	Summer
EYFS	Through Understanding the World , children will experience the following areas throughout the year: Changes in the natural world Natural Materials Senses Plants Forces and magnets Animals Differences between materials		
Year 2/1 23-24	Everyday materials (Y1) Physics	Everyday materials (Y2) Physics	Animals including Humans (Y1) Biology Animals including Humans (Y2) Biology
Year 2/1 24-25	Seasonal Change (autumn) Physics Living Things and their habitats Biology	Seasonal Change (winter) Physics Plants (Y1) Biology Seasonal Change (spring) Physics	Plants (Y2) Biology Seasonal Change (summer) Physics
Year 4/3 23-24	Sound Physics Rocks Physics/ Chemistry	State of matter Chemistry	Plants Biology Living things and habitats Biology
Year 4/3 24-25	Electricity Physics Animals including humans (Y3) Biology	Forces and magnets Physics	Animals including humans (Y4) Biology Light Physics
Year 6/5 23-24	Forces Physics Earth and space Physics	Properties and changes of materials Chemistry	Evolution and inheritance Biology Electricity Physics
Year 6/5 24-25	Living things and habitats (Y5) Biology Living things and habitats (Y6) Biology	Light Physics	Animals including humans (Y5) Biology Animals including humans (Y6) Biology