



## Science Curriculum Intent

### INTENT

At Newbold and Tredington C of E Primary school, we aim to encourage our children to be curious and analytical to explore the world in which they live. As a rural school we recognise the challenges that our children may face in experiencing the wonder of science in the wider world. Consequently, we are ambitious in our intent to provide an exciting and through workshops rich variety of science related experiences beyond the core curriculum through workshops, STEM

Through a hands on inquiry based curriculum, children will experience the joy of asking questions, having wonderful ideas, exploring and investigating - that is, the joy of finding out about the world around them.

### IMPLEMENTATION

Teacher create a positive attitude to science learning within their classrooms and reinforce the expectations that all pupils are capable of achieving high standards in science. Teachers adapt plans and activities to allow for cross curricular, interactive and outdoor learning opportunities where deemed appropriate and valuable.

The Science curriculum fosters a healthy curiosity in children about our universe and promotes respect for the living and non-living.

Science has its own vocabulary and requires children to gain an understanding of three key areas of Science:

1. Knowledge of living organisms and their habitats: to understand their own bodies and the changes they experience, an understanding and awareness of decisions related to health and wellbeing and recognise that changes have occurred overtime.
2. Knowledge of the Earth and the solar system, forces and gravity, electricity and light.
3. Knowledge of materials and their properties: insulators and conductors, states of matters, the formation of rocks, soils and fossils.

As well as the key knowledge, children are taught skills such as questioning, observing and measuring, planning and setting up different types of enquiries. They develop their ability to identify and classify, perform tests, gather and record data, using equipment, reporting, presenting and communicating data/findings.

Children are offered a wide range of extra-curricular activities, visits, trips and visitors to complement and broaden their science curriculum. These are purposeful and link with the knowledge being taught in class, ensuring that children learn through varied and first hand experiences of the world around them.

### IMPACT

Our approach to Science encourages inquisitive learners to respect and take responsibility for the world in which they live.

