



## VERNHAM DEAN GILLUM'S CHURCH OF ENGLAND PRIMARY SCHOOL

### SCIENCE

#### Our Vision

At Vernham Dean Gillum's our Curriculum is at the heart of everything we do. It is underpinned by our Christian Values of Compassion, Courage and Creativity so that we can develop Compassionate, Courageous, Creative citizens of the future in God's love.

Our Curriculum offers a diet that is broad and balanced, purposeful to the children's lives and the world around them. The curriculum is relevant with lots of "real life" experiences to support the children in developing and deepening their vital knowledge, skills and understanding. It builds on their prior learning and ensures that they can make contextual links between different areas of the curriculum, concepts and subjects.

#### Christian Values

##### The 3 Cs: Compassion, Courage and Creativity

**Compassion** was chosen to reflect the love and empathy we have for each other as Jesus has in all of us.

**Courage** was chosen to reflect the courage of Jesus on the cross and how we need to embrace difficulties in our lives and work.

**Creativity** was chosen to reflect each of us being an individual and doing things our way just as Jesus did when helping others.

#### Learning Values

At Vernham Dean Gillum's we want every child to **SOAR**

**Success for all**

**Ownership of our learning**

**Achievement and excellence for all**

**Resilient, risk takers**

#### INTENT

At Vernham Dean, we aim to prepare our children for their future with a "hands –on", inquiry-based science curriculum that enables them to confidently explore and discover the world around them. We will motivate and actively engage our children, to nurture and grow their curiosity. Core scientific knowledge and skills is taught through direct teaching, experimentation and exploration. Our intent is for all our children to be life- long learners who are: independent thinkers who are confident to ask 'Big Questions' and are well prepared for their future in the ever changing world.

#### IMPLEMENTATION

Our whole curriculum is shaped by our school vision. We teach the National Curriculum, supported by a clear skills and knowledge progression, through a series of concepts. This ensures that skills and knowledge are built on year by year to maximise learning for all children.

Science skills incorporate the strands of questioning and enquiry planning, observing and measuring, pattern seeking, investigating, recording and reporting findings, identifying, grouping and classifying, researching and drawing conclusions. Children will be involved in investigations applying their ever increasing knowledge to real-life contexts.

#### IMPACT

The impact of our curriculum is measured through a range of assessment strategies to assess pupils' learning.

The Headteacher and other key staff will review the curriculum through learning walks and scrutiny of planning and work.