

Science Curriculum

Curriculum Statement of Intent				
Faith	Core	Knowledge and Skills	Enriching Experiences	Physical, Social & Emotional Health
Our curriculum is underpinned by Christian values. Our children will have a good understanding of the Christian faith and the faiths of others and will feel informed enough to follow their own beliefs.	Our curriculum ensures every child has a strong command of reading, writing and maths, as a vital foundation for their learning across the whole curriculum, preparing them for the wide world.	Our knowledge rich curriculum, based on the National Curriculum, is planned sequentially and for the acquisition and mastery of skills.	Our curriculum provides enriching experiences that will introduce our children to life beyond our village context.	Our school curriculum facilitates the development of the whole child equipping them with the characteristics, skills and qualities they will need to thrive now and in the future.

Science Curriculum Statement
<ul style="list-style-type: none"> Our science curriculum aims to ignite the children's curiosity and excitement about the world around them. We aim to equip our children with the skills of a scientist: prediction, observation, questioning, investigation, classifying, analysing and recording. We endeavour to build upon our children's previous knowledge and understanding of scientific concepts and develop their awareness of the impact and implications of science in the wider world. We will provide hands-on exciting and enriching experiences, both inside and outside of the classroom, to enhance and deepen our children's scientific understanding.

Aims of Science
<p>To ensure that all pupils:</p> <ul style="list-style-type: none"> 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.

KNOWING

Scientific Facts & Theories
Conceptual Understanding
Scientific Language
Significant Scientists

SCIENCE

LIVING THINGS MATERIALS FORCES LIGHT & SOUND EARTH & SPACE
WORKING SCIENTIFICALLY

Observing & Recording
Scientific Equipment

Enquiring & Testing
Comparing
Identifying Patterns
Grouping & Classifying

USING

ANALYSING

CREATING

Designing experiments &
predicting results
Formulating Hypothesis
Questioning

Forming Conclusions
Reporting or Presenting
Findings

EVALUATING