

Cheveley Mathematics 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.

Mathematics Curriculum Statement
<ul style="list-style-type: none"> • Our Mathematics curriculum is based on the fundamental principle that Maths is a core, inter-connected discipline, essential to everyday life and it provides a solid foundation for understanding the world. • We believe that a high-quality Maths education gives children curiosity and enjoyment of the subject, whilst developing the critical skills of mathematical fluency, reasoning and problem solving. • We aim to equip children with the deep understanding that enables them to make connections between mathematical ideas and move fluently between these. • At every stage, we will work on the principle of “Concrete – Pictorial – Abstract” as an approach that develops true understanding and a solid foundation for the next stage of learning. • We endeavour to deliver engaging, stimulating, challenging Maths lessons, where children of every ability gain a secure understanding of key mathematical concepts, master essential skills and are able to apply this learning in different ways and with confidence.

Aims of Mathematics
<p>To ensure that all pupils:</p> <ul style="list-style-type: none"> • Develop fluency in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding the ability to recall and apply knowledge rapidly and accurately. • Reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language • Can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

KNOWING

Recall and understanding
of mathematical facts
and procedures

MATHS

Concrete – Pictorial – Abstract

CREATING

Representing with models &
images
Visualising problems

CONCEPTUAL UNDERSTANDING

PROCEDURAL FLUENCY

STRATEGIC COMPETENCE

ADAPTIVE REASONING

PRODUCTIVE DISPOSITION

Operations
Strategies
Methods
Working systematically

Problem solving and
reasoning
Exploring patterns and
relationships

Checking
Explaining thinking
Comparing methods
Justifying outcomes

USING

ANALYSING

EVALUATING