



Followers of Christ	Resilient Thinkers	Responsible Community	Respectful Individuals	Excellent Achievers	Family
					
Faith	Resilience	Community	Respect	Excellence	Family

*“But as for you, be strong and do not give up, for your work will be rewarded”*

**2 Chronicles 15:7**

**We believe that students deserve a creative and ambitious Mathematics curriculum, rich in skills and knowledge, which ignites curiosity and prepares them well for everyday life and future employment. Our Mathematics curriculum will give students the opportunity to:**

- become **fluent** in the fundamentals of mathematics, through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and 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.
- develop the whole child, including resilience, confidence and independence, so that they contribute positively to the life of the school, their local community and the wider environment.

**Be inspired. Be excellent. Succeed**



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## Assessment

Students are developing proficiency in the following strands: number, algebra, ratio, proportion and rates of change, geometry and measures, probability and statistics. Throughout Key stage 3 students are building foundational knowledge which will be developed and built upon throughout Key stage 4.

Within mathematics lessons, pupils are assessed frequently. With the use of recall questions at the start of each lesson, checkpoints and EBIs during the unit and an end of unit test, followed by whole class feedback.

## Numeracy

During key stage 3 pupils complete a numeracy age assessment three times per year, in order to target gaps, identify any interventions that are needed and track the numeracy skills of the pupils.

The following topics are assessed: numbers, operations, algebra (after age 12 is achieved), fractions, geometry, measures and statistics in line with the national curriculum for mathematics.

## KS3 Assessments

All pupils follow the White Rose scheme of work, differentiated for the class, dependent on ability and knowledge gaps. They all sit the same end of unit assessment 2-4 times a half term whenever they complete a topic.

## KS4 Assessments

Pupils follow the OCR GCSE Mathematics 9 – 1 course. Pupils follow either the higher or the foundation course. Students will complete end of unit tests designed with past paper questions to test them against the exam standards they will be assessed on during their GCSEs.

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