

Year 11 Maths



Curriculum intent

Our aim is to create positive, ambitious and resilient mathematical thinkers. To model and foster collaborative attitudes and instil a love of learning for all. We strive to deliver excellence to all, where everyone can succeed through hard work.

Mathematical mindset for Y11:

"There must be a beginning of any great matter, but the continuing unto the end until it be thoroughly finished yields the true glory." - Francis Drake

"What am I studying this year?"

Knowledge and skills from KS3 and Y10 will be revisited in the form of retrieval starters, recap lessons and building into new topics remaining in the course. Additional Statistics content (*S) will be taught for students opting to complete GCSE Statistics.

Term	Knowledge and skills	Assessment	Homework
Autumn 1	N – Calculations 2 S – Summarising data and correlation	End of topic assessments	Homework is set weekly every Wednesday. Each homework is half a past paper with a linked video tutorial. Students have to opportunity to continually practice recall of current and prior knowledge to secure their understanding. Students are also encouraged to use Dr Frost for independent study.
Autumn 2	G – Working in 3D A – Graphs 2	End of topic assessments Mock exams 1	
Spring 1	G – Transformations and vectors *S Bespoke lessons for each class	Past paper packs	
Spring 2	Bespoke lessons for each class *S	Past paper packs Mock exams 2	
Summer 1	Bespoke lessons for each class	Past paper packs	
Summer 2	Revision Bridging tasks for A-Level	GCSEs Preparing for A-level	

N = number, A = algebra, R = ratio and proportion, G = geometry and measures, S = statistics and probability

“How will I be assessed in Maths?”

Students are assessed in two ways:

- Informally with a variety of activities including mini-whiteboards, check-point questions and low-stakes quizzes. Students will receive verbal feedback in every lesson in response to these checks. Teachers will guide students every lesson through their independent practice, hunt for and address misconceptions as they arise and review answers to all questions set.
- Formally with two sets of Mock exams and topic tests. Students will be given a revision pack for each set of mocks along with search codes for Dr Frost.
 - o Mock 1 (Autumn) and Mock 2 (Spring) are comprised of a full set of 3 papers and will be sat in the hall. All students will receive a personal learning checklist (PLC) to tell them which topics need further work.

“What is coming up next?”

Students will finish receiving quality first teaching of the final topics in the GCSE course with some students opting to take GCSE Statistics and the Extended Maths Certificate (FM).

Students will then have a variety of options available to them for Sixth Form. Students who enjoy Maths and want to take this further can take Core Maths as an enrichment option in Y12, or students can choose to take A Level Maths and A Level Further Maths.

Students will demonstrate pride in their work by:

- Presenting information clearly and neatly to aid learning
- Writing a date and title for all work
- Writing in blue or black pen
- Completing drawings and diagrams in pencil
- Glue in sheets flat and in order
- Annotate work and make corrections when asked to
- Cross out any mistakes neatly
- Highlight key words and explanations