The Fisher Way: Curriculum

The Fisher Way aims to educate and inspire with joy, faith and love because we are an inclusive Catholic community.

Successful and resilient learners who aspire to and achieve excellence

Confident individuals who can explore and communicate effectively

Responsible citizens who are active, loving and wise in all their endeavours

Subject	Mathematics
Year Group	Year 13
Intent	**Successful and resilient learners** who have developed their fluency and curiosity in mathematics and can adapt their skills to the work around them. **Confident individuals** who can reason mathematically and use their math skills to solve problems in an eloquent way. **Responsible citizens** who are learned and realise the importance of maths in the world around them even when they may not be using it in their day to day lives.

Narrative	By the end of Year 13 students will have a good grasp on all topics for A level maths and be on track to achieve their best possible grade They will have made use of all their appropriate skills from GCSE and Year 12 This will enable them to move onto study maths or maths related things at Uni or beyond or facilitate them it doing a degree where maths may not be a part at all.					
Half term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Knowledge (topics studied)	Pure Algebra functions and graphs Sequences and Series Radians Parametric Equations Binomial expansion	Pure Integration Differentiation Vectors Trig functions and modelling Numerical Methods	Moments Forces and Friction Projectiles Regression correlation and Hypothesis testing	Application of Forces Further Kinematics Conditional Probability The Normal Distribution	Exams	Exams
Key skills	Calculations Reasoning Accuracy Spatial Awareness Understanding Recall of facts and application of knowledge Manipulation of Algebra	Calculations Reasoning Accuracy Spatial Awareness Understanding Recall of facts and application of knowledge Manipulation of Algebra	Calculations Reasoning Accuracy Spatial Awareness Understanding Recall of facts and application of knowledge Manipulation of Algebra Careers Motor Engineers Aircraft engineers	Calculations Reasoning Accuracy Spatial Awareness Understanding Recall of facts and application of knowledge Manipulation of Algebra		

Cultural capital and careers	Use of maths in modelling situations for science and the world around us. Maxima and Minima solutions in real life situations	Use of maths in modelling situations for science and the world around us. Maxima and Minima solutions in real life situations	Use of maths in modelling situations for science and the world around us. Maxima and Minima solutions in real life situations	Use of maths in modelling situations for science and the world around us. Maxima and Minima solutions in real life situations		
Assessment	Unit Tests	Mocks				