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 10 (Higher)
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 this GCSE the students will be able to attempt the GCSE and achieve their best possible grade. By the end of year 10 we would expect them to be on track. *They will have to make use of all of their skills and knowledge throughout the whole of their time at school up to now to achieve this. This will enable them to move onto year 11 and then A level maths or college or life in general with a good qualification and the numerical skills that they will need in their every day life .*					
Half term	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Knowledge (topics studied)	Algebra Interpreting and represenging data Fractions, ratio and percentages	Fractions, ratio and percentages Angles and trigonometry Graphs	Area and Volume Transforations and Constructions	Equations and Inequalities Probability	Multiplicative Reasoning	Similarity and Congruence
Key skills	Understanding vocabulary Reasoning and understanding Recall of facts Calculation skills Spatial Awareness Problem Solving	Understanding vocabulary Reasoning and understanding Recall of facts Calculation skills Spatial Awareness Accuracy	Understanding vocabulary Reasoning and understanding Recall of facts Calculation skills Spatial Awareness Problem Solving	Understanding vocabulary Reasoning and understanding Recall of facts Calculation skills Spatial Awareness Problem Solving	Understanding vocabulary Reasoning and understanding Recall of facts Calculation skills Spatial Awareness Problem Solving Accuracy	Understanding vocabulary Reasoning and understanding Recall of facts Calculation skills Spatial Awareness Problem Solving

Cultural capital	Percentages within real life context i.e. Interest rates, sales, banks, mortgages Greek Civilisation around Pythagoras and Trig	Use of units in science and in the world around us. How measures can never be totally accurate . How graphs can be used to model things in life	How accurate drawings are used to build and plan and develop the world around use.	Use of chance in everyday life in games Speed on the roads How populations grow and decay linked to science and the environment. Career such as Chef or Baker would need to calculate proportions of ingredients. Discuss in class and use recipe questions from GCSE	How scale is used in the world around us . Greek Civilisation around Pythagoras and Trig Careers within the armed forces would need to calculate positions or locations for things such as search and rescue. Discuss in class and use non-right angle triangle trigonometry questions from GCSE	How data is used to analyse the world we live in and make predictions. How graphs can be used to model real life situations such as covid.
Assessment	Test on units 1-5 EDEXCEL TEST	Test on units 1-7 EXAM WIZARD TEST	Test on Units 6-10 EDEXCEL TEST	Test on Units 6-12 EXAM WIZARD TEST		Mock Three papers