

(A)UTHENTIC

(S)ACRED

(P)ASSIONATE



(I)NSPIRATIONAL

(R)ESILIENT

(E)MPATHETIC

Yr. 10 Maths GCSE (STEM Subject) – Curriculum Map

Advent 1 Geometry Number Algebra	Advent 2 Geometry and Measures Handling Data Algebra	Disciplinary Skills Number Algebra Geometry and Measures Ratio and Proportion Probability Handling Data (Statistics)	Lent 1 Ratio and Proportion	Lent 2 Number and Algebra	Learning is revisited and retrieved through low states quizzes, Do it Now activities, formal testing.	Pentecost 1 Geometry and Measure	Pentecost 2 Number and Algebra Handling Data	Books
Intent: To combine transformations Find compound and simple percentage interest Use laws of indices (adapted to include fractional and negative powers, surds) Careers Logistics Analyst, Anti-Money Laundering Officer, Business Intelligence Analyst	Intent: Volume and surface area of prisms including using unknown formulae (adapted to include finding areas and volumes of similar shapes) Use a tree diagram and Venn diagram for probability (extend to algebraic diagrams) Careers Statistician	Advent 1 – Assessment Testing knowledge & skills of key content. Advent 2 – Assessment Testing knowledge & skills of key content	Intent Proportionality (adapted up to include proportional to square/cube of...) Careers Banking, Restaurants, Catering	Intent: Rearranging formulae (adapted to include the subject appearing twice) Careers Chemical Engineer Aerospace Engineer	Lent 1 Testing knowledge & skills of key content. Lent 2 Testing knowledge & skills of key content. Careers https://www.mathscareers.org.uk/	Intent Trigonometry (extends to non-right-angled triangles and 3-D) Careers Architects, Astronauts, Engineers, Surveyors, Crime Scene Investigators	Intent Fractions (extends to algebraic fractions) Draw and criticise pie charts, bar charts, pictograms, line graphs (adapted to histograms, cumulative frequency, box plots) Careers Business Analysis Mathematical Modelling	Books https://simonsingh.net/books/ https://www.watersones.com/category/science-technology-medicine/mathematics-and-science/mathematics Maths Clubs https://parallel.org.uk/ Pentecost 1 Testing knowledge & skills of key content. Pentecost 2 Testing knowledge & skills of key content.
			CATHOLIC SOCIAL TEACHING To consider: <ul style="list-style-type: none"> • Solidarity when interpreting data on poverty and equality. • Stewardship when studying data on environmental issues and in your own daily life. • The Common Good in every lesson and interaction. 					READING 3-2-1 The importance of literacy for mathematics based on maths in the news.