

Yr. 7 Maths (STEM Subject) – Curriculum Map

Advent 1 Number and Algebra	Advent 2 Geometry and Measures	Disciplinary Skills Number Algebra Geometry and Measures Ratio and Proportion Probability Handling Data (Statistics)	Lent 1 Number	Lent 2 Handling Data & Statistics	Learning is revisited and retrieved through low states quizzes, Do it Now activities, formal testing.	Pentecost 1 Number	Pentecost 2 Ratio & Proportion	Books
Intent: Arithmetic skills <u>Pre-algebra</u> How to use positive and negative numbers (add, subtract, multiply, divide) Order of operations How to solve linear equations (maybe using function machines) and draw simple straight-line graphs	Intent: How do I find the perimeter and area of 2D shapes? (Rectangles, triangles and quadrilaterals) What are angles? (basic angle facts) Measuring and drawing angles Properties of triangles and quadrilaterals	<u>Advent 1 – Assessment</u> Testing knowledge & skills of key content. <u>Advent 2 – Assessment</u> Testing knowledge & skills of key content <u>Careers (jobs which use algebra and geometry)</u> Air Traffic Controller, Nutritionist, Carpenter, Surveyor, Jeweller, Market Research Analyst	Intent Find percentages, increase and decrease How to find square, square root, cube, cube root and prime numbers	Intent: How to use statistics to interpret data, including finding the average Sequences Graphs from the real world	<u>Lent 1</u> Testing knowledge & skills of key content. <u>Lent 2</u> Testing knowledge & skills of key content. <u>Careers</u> https://www.mathscareers.org.uk/	Intent Know the link between fractions, decimals and percentages Fractions (equivalent, mixed numbers, adding and subtracting)	Intent Ratio (simplifying, solving problems) Line symmetry and rotational symmetry	<u>Books</u> https://simonsingh.net/books/ https://www.waterstones.com/category/science-technology-medicine/mathematics-and-science/mathematics <u>Maths Clubs</u> https://parallel.org.uk/ <u>Pentecost 1</u> Testing knowledge & skills of key content. <u>Pentecost 2</u> 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.			