

Yr. 8 Maths (STEM Subject) – Curriculum Map

<u>Advent 1</u> Number and Algebra	<u>Advent 2</u> Geometry and Measures	Learning is revisited and retrieved through low states quizzes, Do it Now activities, formal testing.	<u>Lent 1</u> Handling Data	<u>Lent 2</u> Number Geometry & Measures	Learning is revisited and retrieved through low states quizzes, Do it Now activities, formal testing.	<u>Pentecost 1</u> Number Handling Data	<u>Pentecost 2</u> Ratio & Proportion	<u>Books</u> https://simonsingh.net/books/ https://www.warstones.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.
<u>Intent:</u> How to use positive and negative decimals (add, subtract, multiply, divide) How to solve equations with brackets and fractions Know how to translate, reflect and enlarge shapes	<u>Intent:</u> How to find the area and circumference of a circle Understand similarities and differences between different types of quadrilaterals Prove congruency in triangles	<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/	<u>Intent:</u> How to find a gradient and y-intercept How to plot a quadratic graph Understand the connection between what a real-life graph looks like visually and the reality of what that scene may look like	<u>Intent:</u> How to multiply and divide with numbers in standard form Volume and surface area of prisms Extend multiplying and dividing to negative powers of 10	<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/	<u>Intent</u> Extend knowledge of sequences to quadratic and Fibonacci How to draw scatter graphs and grouped frequency diagrams	<u>Intent</u> Understand the difference between direct and inverse proportion Ratio in length, area and volume	
			CATHOLIC SOCIAL TEACHING <u>To consider:</u> <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.	