



<u>Weeks</u>	<u>Topic</u>	<u>Rationale</u>	<u>Assessment</u>	<u>Homework</u>	<u>Wider Curriculum (FBV, Employability, SMSC, Cultural Capital) - Across all terms</u>
<b>Term 1</b>	Unit 4 Fractions, Ratio and Percentages	Working with fractions decimals and percentages to solve problems	Assessments at the end of each unit	Homeworks throughout the term will continually revisit the skills covered this term.	Cultural - Mathematics is the universal language of the world and we aim to develop a realisation that many topics we learn today have travelled across the world and are used internationally. Inevitably when introducing many topics, discussions will take place about their origins and the cultural influences that influenced the development of these topics.
	Unit 5 Angles in Polygons and Right angles trigonometry	Use angle facts and work with angles in polygons. Use Pythagoras and Right angles trigonometry			Spiritual - Developing a logical approach and the ability to recall and reason along with questioning the way in which the world works promotes the spiritual growth of our students. In Maths lessons, pupils are always encouraged to delve deeper into their understanding of Mathematics and how it relates and can be used to explain the world around them.
<b>Term 2</b>	Unit 6 Linear and Non-linear graphs	Draw and interpret linear functions. Find and work with perpendicular equations. Be able to plot and recognise non-linear graphs	Assessments at the end of each unit	Homeworks throughout the term will continually revisit the skills covered this term.	Moral - The moral development of pupils is evident in much of the curriculum where Maths is used in real life contexts and the students are able to apply the skills required to solve various problems and understand how decisions are made dependent upon the outcomes of the problem. Through these scenarios, students understand that certain choices may have different consequences and outcomes. We believe and hope to develop an awareness that Maths is not strictly limited to problems that result in right/wrong answers.
	Units 7 Area and Volume	Find and solve problems with 2D and 3D solids in respect to Volume and area			Social - Using and applying Maths involves being able to solve problems and being able to do this individually, as part of a team or pair when a task requires it. Students are encouraged to communicate mathematically when discussing, explaining and presenting ideas, through which they are able to develop their Mathematical reasoning skills.



<b>Term 3</b>	Unit 8 Transformations and Constructions	Transform complex shapes. Use construction techniques with Loci principles to identify regions	Assessments at the end of each unit	Homeworks throughout the term will continually revisit the skills covered this term.	
	Unit 9 Equations and Inequalities	Solve quadratic equations via all three means and also linear inequalities			
<b>Term 4</b>	Unit 10 Probability	Use various methods to find the probability of singular and multiple events happening.	Assessments at the end of each unit	Homeworks throughout the term will continually revisit the skills covered this term.	
	Unit 11 Multiplicative reasoning and compound measures	Use proportion and ratio to solve problems that include compound measures along kinematics			
<b>Term 5</b>	Unit 12 Similarity and Congruence	Solve problems and use geometric proof involving shapes (2D&3D) that are similar and congruent	Assessments at the end of each unit	Homeworks throughout the term will continually revisit the skills covered this term.	
	Unit 13 Further Trigonometry	Use non right angles trigonometry techniques			
<b>Term 6</b>	Revision for mocks and Catch up	Revision of all year one content	End of year assessment that covers all topics and skill covered in the year	Homeworks throughout the term will continually revisit the skills covered this term.	