

STMLC	Year Group 9
Subject Maths	Exam board and specification Pearson Edexcel 1MA1

	Foundation	Higher
Autumn Term 1	<ul style="list-style-type: none"> <li>Integers and place value</li> <li>Decimals</li> <li>Indices, powers and roots</li> <li>Factors, multiples and primes</li> </ul>	<ul style="list-style-type: none"> <li>Calculations, checking and rounding</li> <li>Indices, roots, reciprocals and hierarchy of operations</li> <li>Factors, multiples and primes</li> <li>Standard form and surds</li> </ul>
Autumn Term 2	<ul style="list-style-type: none"> <li>Basics</li> <li>Expanding and factorising single brackets</li> <li>Expressions and substitution into formulae</li> </ul>	<ul style="list-style-type: none"> <li>Basics</li> <li>Setting up, rearranging and solving equations</li> <li>Sequences</li> </ul>
Spring Term 3	<ul style="list-style-type: none"> <li>Tables</li> <li>Charts and graphs</li> <li>Pie charts</li> <li>Scatter graphs</li> </ul>	<ul style="list-style-type: none"> <li>Averages and range</li> <li>Representing and interpreting data</li> <li>Scatter graphs</li> </ul>
Spring Term 4	<ul style="list-style-type: none"> <li>Fractions</li> <li>Fractions, decimals and percentages</li> <li>Percentages</li> </ul>	<ul style="list-style-type: none"> <li>Fractions</li> <li>Percentages</li> <li>Ratio and proportion</li> </ul>
Summer Term 5	<ul style="list-style-type: none"> <li>Equations</li> <li>Inequalities</li> <li>Sequences</li> </ul>	<ul style="list-style-type: none"> <li>Polygons, angles and parallel lines</li> <li>Pythagoras' Theorem and trigonometry</li> </ul>
Summer Term 6	<ul style="list-style-type: none"> <li>Properties of shapes, parallel lines and angle facts</li> <li>Interior and exterior angles of polygons</li> </ul>	<ul style="list-style-type: none"> <li>Graphs: the basics and real-life graphs</li> <li>Linear graphs and coordinate geometry</li> <li>Quadratic, cubic and other graphs</li> </ul>
Home learning	You will be set two homeworks a week which will take forty minutes each. Many homeworks will be set online using either Pearson ActiveLearn or Hegarty Maths. These need to be done into your book and marked / corrected by you in a green pen. Watch video clips to re-inforce knowledge.	
One thing to do	Use Hegarty Maths to go over topics previously covered before you need them again in lessons this year!	
How technology can support you	Both ActiveLearn and Hegarty Maths have a large number of videos to support your learning. Watch the videos and then practice the questions!	
By the end of KS4 you will be able to	At Foundation level achieve a Good pass as you will have covered the entire content of the course and become an independent learner. At Higher level achieve a Grade 7 or higher and be prepared well to study maths at A level and beyond.	

Serving God, striving for excellence

