

STMLC	Year Group 11
Subject Maths	Exam board and specification Pearson Edexcel 1MA1

	Foundation	Higher
Autumn Term 1	<ul style="list-style-type: none"> • Multiplicative reasoning • Plans and elevations • Constructions, loci and bearings 	<ul style="list-style-type: none"> • Quadratics, expanding more than two brackets, sketching graphs, graphs of circles, cubes and quadratics • Circle theorems • Circle geometry
Autumn Term 2	<ul style="list-style-type: none"> • Quadratic equations: expanding and factorising • Quadratic equations: graphs • Circles, cylinders, cones and spheres 	<ul style="list-style-type: none"> • Changing the subject of formulae (more complex), algebraic fractions, solving equations arising from algebraic fractions, rationalising surds, proof
Spring Term 3	<ul style="list-style-type: none"> • Fractions and reciprocals • Indices and standard form • Similarity and congruence in 2D • Vectors 	<ul style="list-style-type: none"> • Vectors and geometric proof • Reciprocal and exponential graphs; Gradient and area under graphs
Spring Term 4	<ul style="list-style-type: none"> • Rearranging equations, graphs of cubic and reciprocal functions and simultaneous equations • Exam Preparation 	<ul style="list-style-type: none"> • Direct and inverse proportion • Exam Preparation
Home learning	You will be set two homeworks a week which will take fifty minutes each. One of these homeworks will be a practice test. 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. Independent practice will be key to you achieving your target grades.	
One thing to do	Corbett Maths 5 A Day provides wonderful practice of topics covered.	
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! Use the tests on Mathsbuster to identify areas of weakness and then re-visit and practice using their online tools. If you have used Hegarty Maths well a great practice tool is Fix Up Five on Hegarty Maths.	
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

