

STMLC	Year Group 10
Subject Maths	Exam board and specification Pearson Edexcel 1MA1

	Foundation	Higher
Autumn Term 1	<ul style="list-style-type: none"> Statistics and sampling The averages Perimeter and area 3D forms and volume 	<ul style="list-style-type: none"> Perimeter, area and circles 3D forms and volume, cylinders, cones and spheres Accuracy and bounds Reflection, rotation, enlargement & translation Constructions, loci and bearings
Autumn Term 2	<ul style="list-style-type: none"> Real-life graphs Straight-line graphs Translations, rotations and reflections 	<ul style="list-style-type: none"> Solving quadratic and simultaneous equations Inequalities Probability
Spring Term 3	<ul style="list-style-type: none"> Enlargements and combinations Ratio 	<ul style="list-style-type: none"> Multiplicative reasoning Similarity and congruence in 2D and 3D
Spring Term 4	<ul style="list-style-type: none"> Proportion Pythagoras and trigonometry 	<ul style="list-style-type: none"> Graphs of trigonometric functions 3D trigonometry Advanced trigonometry
Summer Term 5	<ul style="list-style-type: none"> Probability Preparation for mocks 	<ul style="list-style-type: none"> Collecting data Cumulative frequency, box plots and histograms Preparation for mocks
Summer Term 6	<ul style="list-style-type: none"> Mocks Problem Solving 	<ul style="list-style-type: none"> Mocks Problem Solving
Home learning	You will be set two homeworks a week which will take forty five 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. Independent practice will be key to you achieving your target grades.	
One thing to do	Buy Mathsbuster and start to use the Levelled Practice section.	
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 Mathsbuster to practice topics covered in the first part of your GCSE course.	
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

