

Curriculum Information for Parents

Key Stage 4 Year 10 Mathematics			
Learning Leader Contact Information		Phone: 01604 862125	Email: dalbir.sehra@ewsacademy.org.uk
Examination Board	Edexcel	Specification Code	1MA1
Subject Content			
		Foundation tier	Higher tier
Term 1 (Sept – Oct)	<ul style="list-style-type: none"> ● Algebraic straight line graphs ● Distance-time graphs and scatter graphs ● Real-life graphs ● Translations and reflections ● Enlargements and rotations 	<ul style="list-style-type: none"> ● Quadratic equations ● Simultaneous equations ● Inequalities ● Calculating probability ● Experimental probability ● Tree diagrams and Venn diagrams 	
Term 2 (Nov – Dec)	<ul style="list-style-type: none"> ● Simple proportion and best buys ● Ratio and proportion ● Proportion, graphs and inverse proportion 	<ul style="list-style-type: none"> ● Percentages ● Compound measures ● Ratio and proportion 	
Term 3 (Jan – Feb)	<ul style="list-style-type: none"> ● Pythagoras' Theorem ● Finding lengths using trigonometry ● Finding angles using trigonometry ● Calculating probabilities ● Experimental probability ● Probability diagrams ● Dependent events 	<ul style="list-style-type: none"> ● Congruence ● Similarity in 2D shapes ● Similarity in 3D shapes ● Accuracy and 2D problem solving ● Trigonometric graphs ● 3D problem solving 	
Term 4 (Mar – Apr)	<ul style="list-style-type: none"> ● Percentages ● Compound measures ● Distance, speed and time ● Direct and inverse proportion 	<ul style="list-style-type: none"> ● Sampling ● Graphs and charts ● Comparing data 	
Term 5 (Apr – May)	<ul style="list-style-type: none"> ● 3d solids ● Constructions ● Loci and regions ● Scale drawings and bearings ● Quadratic graphs ● Quadratic equations 	<ul style="list-style-type: none"> ● Simultaneous equations and inequalities ● Graphs of quadratic functions ● Graphs of cubic functions ● Chords, radii and tangents ● Circle theorems ● Proofs and equation of tangent to a circle at a given point 	
Term 6 (Jun – Jul)	<ul style="list-style-type: none"> ● Accuracy ● Circles and sectors ● Volume and surface areas 	<ul style="list-style-type: none"> ● Surds ● Formulae and functions ● Algebraic fractions ● Proof 	
Additional Equipment Required: Pen, Pencil, Rubber, Ruler, Compass, Protractor, Calculator			
Assessment Details			

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Students will complete a pre and post assessment each term, and these will be kept in books once marked. Students will also receive a personalised learning checklist (PLC) at the end of each term, which will identify remaining gaps in learning. Students will also complete a full suite of GCSE exams at the end of the year, as well as single GCSE papers throughout the year, to ensure that they are exposed to the exam rubric and conditions regularly, in preparation for their final GCSE exam.

What can I do to support my child at home?

- Ensure that all homework tasks are completed
- Ensure any remaining learning gaps identified in the PLC are addressed using the online resources available
- Discuss and celebrate progress made through improvement in performance of pre and post termly assessments

Recommended resources for the course:

Homework

Edexcel

Hegarty Maths

<https://qualifications.pearson.com>

Teaching Staff Contact Details

Name	Role	Email	Tel
Dalbir Sehra	Learning Leader for Maths	dalbir.sehra@ewsacademy.org.uk	01604 862152/01908 563468
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Additional Information: