

Curriculum Plan for Parents – Year 11 Foundation GCSE (2018/2019) (Edexcel exam board)

Subject	Mathematics	Contact Person	Mrs McGorian/ Mrs Landy
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Half term and topic	Your child will learn....	Key Homework	Assessment
Autumn 1 Algebra Simplifying Expanding/Factorising Equations Substitution Plotting linear graphs Fractions Percentages	Simplifying expressions. Expanding/Factorising expressions (quadratics where appropriate). Setting up and solving equations (2 step, brackets). Substitution into given expressions and formulae. Plotting linear graphs (with and without a table). Add, subtract, multiply divide fractions (and problem solve). Calculate Percentage increase/decrease Calculate Simple and compound interest on an investment. Calculate a Reverse percentage finding the original quantity.	'Recap Homework' will be set fortnightly and will cover topics that need to be revised in preparation for the GCSE exam. In addition, the class teacher will also set homework (a minimum of once fortnightly) which they will plan accordingly.	WB 15/10/18 <u>Assessment Point 1</u> Students will complete a GCSE style exam which will be marked and graded.
Autumn 2 Ratio Significant figures and estimation Shape Congruency and similar shapes Transformations Pythagoras	Simplify a Ratio, share into a Ratio. Round to a given amount if significant figures and estimate by rounding to 1 significant figure. Identify whether two shapes are congruent, similar or neither. Rotate, Reflect, Translate, Enlarge a given shape. Describe a transformation. Find the hypotenuse in a right angled triangle. Find a shorter side in a right angled triangle. Problem solve using Pythagoras	'Recap Homework' will be set fortnightly and will cover topics that need to be revised in preparation for the GCSE exam. In addition, the class teacher will also set homework (a minimum of once fortnightly) which they will plan accordingly.	WB 17/12/18 <u>Assessment Point 2</u> <u>Mock Exam Week</u> Students will complete a mock GCSE exam which will be marked and graded.

Surface area and Volume	theorem. Calculate the surface area and volume of a 3D shape. Find the length of a side given the surface area or volume.		
Angles in parallel lines	Apply the angles rules in parallel lines giving the appropriate rules as reasons.		
SOHCAHTOA	Find missing sides and angles in right angled triangles.		
Spring 1 Revision and consolidation of key GCSE topics (In response to QLA from analysis of mock exam)	Sequences and nth term. Proportion problems – Recipe. Angles – on a straight line, around a point, in a triangle. Name angles, measure and draw angles and triangles accurately. Rounding to 1dp, 2dp, 3SF. Graphs – Scatter-graphs, Pie Charts, Pictograms. Coordinates – plotting and reading. Inequalities – on a number line, use inequality signs correctly.	'Recap Homework' will be set fortnightly and will cover topics that need to be revised in preparation for the GCSE exam. In addition, the class teacher will also set homework (a minimum of once fortnightly) which they will plan accordingly.	
Spring 2	Students will be taught topics that need consolidating or revisiting prior to the GCSE exam. This will include regular exposure to past paper exam questions.	'Recap Homework' will be set fortnightly and will cover topics that need to be revised in preparation for the GCSE exam. In addition, the class teacher will also set homework (a minimum of once fortnightly) which they will plan accordingly.	WB 25/03/19 <u>Assessment Point 3</u> Students will complete a GCSE style exam which will be marked and graded.
Summer 1	Students will be taught topics that need consolidating or revisiting prior to the GCSE exam. This will include regular exposure to past paper exam questions.	GCSE past paper exam questions	GCSE examinations

Summer 2		Revision packs based on exam papers seen so far this year	GCSE examinations
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Mathematics at Holly Lodge supports the GCSE Maths qualification provided by the Edexcel examination board. Further details can be found at <https://qualifications.pearson.com/en/qualifications/edexcel-gcses/mathematics-2015.html>