Subject	Mathematics					
Exam Board	AQA	Course Code	8300			

Overview

Mock Assessments						
One Non-Calculator Paper 90 minutes Two Calculator Papers 90 minutes for each paper. Full mathematics equipment required.						
Top	pics to be covered for Non-Calculator Paper					
Foundation Tier		Higher Tier				
	Add, subtract, multiply and divide integers and decimals		Algebraic Fractions/Expressions			
	Area of 2D shapes		Arithmetic and geometric progressions			
	Arithmetic and geometric progressions.		Area and Perimeter			
	Averages, pictograms, bar charts, scatter graphs, Venn diagrams		Averages, scatter graphs, Venn diagrams, histograms Being able to give answers in terms of π Circle theorem			
	Being able to give answers in terms of $\boldsymbol{\pi}$		Column vectors			
	Bidmas		Direct and Inverse Proportion (K)			
	Converting between units		Equation of lines (y=mx+c)			
	Equations of lines (y=mx+c)		Expand, factorise and solve quadratics			
	Expand and factorise		Fractions, Decimals and Percentages			
	Fraction, decimal and percentages		Indices			
	Negative numbers		Prime factors			
	Probability		Ratio			
	Ratio	_ _	Sequences – iterative process			
	Rearrange formula, substituting (into expressions and formula)		Simultaneous equations Surface area			
	Solving linear equations		Surds Transformations of Graphs, curves			
	Standard form					
	Time		Trigonometry angles			
	Transformations		□ Working with money			
	Trigonometry angles					
	Working with money					

Mc	ock Assessments					
	ne Non-Calculator Paper 90 minutes					
	o Calculator Papers 90 minutes for each paper.					
Full mathematics equipment required						
Top	pics to be covered for Calculator Paper					
	Foundation		Higher			
	Angles		Algebraic fractions			
	Area of 2D shapes		Angles			
	Averages, mean and median from frequency		Area and Perimeter of 2D shapes			
_	tables, estimate the mean, pie charts		Bounds			
	Bounds Congruent & similar		Box plots			
	Congruent & similar Converting between units		Circle theorem			
	Distance-Time Graphs		Congruent			
	DST/ MDV		Conversions between units			
	Elevations		Cumulative frequencies			
	Equations of lines (y = mx + c and properties such		DMV			
	as parallel lines, midpoint of a line)		Distance-Time Graphs			
	Expand and factorise linear and quadratic		Equations of a circle, tangent, curve			
	expressions		Expanding and factorising quadratics			
	Frequency trees		HCF and LCM			
	Function machines		Inequalities and regions			
	HCF & LCM		Instantaneous rate of change			
П	Identifying equations, expressions, inequalities terms and identities		Iterative process			
	Inequalities		Loci and constructions			
	Listing strategies		Probability and relative frequencies			
	Loci and Constructions		Properties of quadratic graphs			
	Parts of a circle		Pythagoras, trigonometry lengths/ angles and			
	Percentages & Fractions		further trigonometry			
	Pythagoras		Ratio - all aspects			
	Quadratic graph – include roots		Similar shapes			
	Ratio & proportion		Standard form			
	Rounding		Time series graph			
	Scale drawing		Transformations			
	Solving equations Square numbers, cube numbers, multiples,		Transformation of graphs			
_	factors		Trigonometric Graphs			
	Time series graph		Trigonometry – length and angles			
	Transformations		Vectors			
	Vectors		Venn diagrams and unions			
	Volume		Volume			
	Working with money		Working with Fractions, Decimals and			
			Percentages			
			Working with frequency tables - Estimating the			
			mean, finding the median			
			y = mx + c (include parallel and perpendicular)			

Useful revision resources

Websites

Mathswatch - https://vle.mathswatch.co.uk/vle/

Corbett Maths – https://corbettmaths.com/

GCSEPod - https://www.gcsepod.com/

Seneca Learning - https://senecalearning.com/en-GB/

BBC Bitesize Learning - https://www.bbc.co.uk/bitesize/examspecs/z8sg6fr

Oak National Academy - https://classroom.thenational.academy/subjects-by-key-stage-4/subjects/maths

Recommended Revision Guides

Collins GCSE AQA revision guides - £4.50 from your mathematics teacher Corbett Maths revision cards - £6.50 from your mathematics teacher

Recommended Calculators

Casio fx-83 GTX, fx-85 GTX, Casio Classwiz EX-991 (recommended if continuing onto A-Level Mathematics)

Revision Tips

Revision for Mathematics is based upon practice (and more practice). You need to be confident at the skills and concepts that make up the course in order to be able to work through the more challenging problems. Revision should be interactive, not just reading notes

Students can work through the Mathswatch 6 week plan (available from the Mathswatch Website under Extras > GCSE) or identify key topic areas via the Mathswatch list below. On the 6 week plan, students can split it up according to the two assessment periods)

A potential plan of action would be

- Work through the plans below watching the relevant videos (try the one minute videos first and if you do not understand then watch the longer videos)
- Attempting the interactive questions if needed
- Work through maths problems and past papers.
- Do not just read your notes/revision guides as you need to practice your Maths skills.

Any additional information will be placed into Google Classrooms and the GSHS Maths Revision Area http://bit.ly/GSHSMathsRevision