Y11 Scheme of Work – AQA GCSE Maths 8300

Support Tier

Term	Week	Lessons	
Autumn 1	1 and 2	6	**Basic Algebra and Equations A1, A4, A17**
			Algebra notation and collect like terms
			Expand single bracket
			Factorise single bracket
			Solve one step equations
			Solve two step equations (Extension = equations with unknown on both sides)
			Mixed extra practice as required
	3	2 or 3	**Triangles - G1, G3, G4, G16**
			Calculating missing angles in a triangle & name types of triangle. Understand labelling convention
			Area of a triangle
			Revision lesson
	4	4 or 5	**Pythagoras recap G20**
			Triangles cont. - Pythagoras
			Triangles cont. - Pythagoras
			Mixed triangles questions
	5 and 6	6	**Percentages R9**
			Revision of number basics and key FDP Equivalents
			Percentage of an amount (with and without calculator)
			One amount as a percentage of another
			Percentage increase and decrease. By addition & subtraction. Include simple interest
			Finding the percentage change when given the amounts
	7	3	**Inequalities A22**
			Intro to inequalities, using the symbol including in context
			Inequalities on number line, difference in filled in circle and not filled in
			Solve inequalities
Autumn 2	8 and 9	7	**Algebra and Graphs A8, G11, A9, A10, A12**
			Coordinates
			Plotting straight line graphs
			y = mx + c - gradient and intercept
			Plotting quadratic graphs from a table of values and recognise key features
			Recognise and sketch linear and quadratic graphs
			More time on graphs or number recap work
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	10 11	8	**Mock Exams Fortnight**
	12 and 13	7	**Proportion & Ratio R4, R5, R8, R10**
			Recap ratio - simplifying and relating to fractions
			Sharing in a ratio
			Solve problems with direct proportion e.g. recipes
			Value for money & Best Buys

			Mix of ratio and proportions questions
	14	6	**Number work & Catch up**
			Optional number revision or topics done badly in pre-mocks
			Non-calculator methods with integers
			Multiples and LCM
			Factors and HCF
Spring 1	15	7	**Number revision (from the year 9 support SOW) - N1, N2, N4, N8**
			Prime numbers and prime factor decomposition
			Fractions
			Fractions
			Decimals
	16	3	**Vectors G25**
			Intro to vectors, link to translation, adding and subtracting column vectors
			Further arithmetic with column vectors
			More vectors questions or number work
	17 and 18	4	**Drawing graphs A11, A12**
			More time on quadratic graphs (key features) or linear graphs if needed
			Drawing cubics
			Drawing reciprocal graphs and recognising graphs of different types
	19	4	Number Revision group dependent
	20	4	Catch up
Spring 2	21	4	**Revision**
	22 23	8	**2nd Mocks**
	24, 25, 26	12	**Revision**
Summer 1	27 - 32		**Revision**