Support Tier

Term	Week	Lessons	**Coding refers to AQA Teaching Guidance Sections. Underlined parts are for most able.** **Red indicates Future SOW Notes**
Autumn 1	1	4	**Angles: G1, G3**
			Draw and measure angles, key vocab (types of angles) and estimating angles
			Angles at a point, line, vertically opposite
			Angles in quadrilaterals and triangles
			Introduction to basic parallel line rules (corresponding, alternate, co-interior)
	2	4	**Factors and Multiples: N4, N5**
			Multiples and LCM
			Factors and HCF
			Prime numbers and prime factor decomposition
			KPI Task: C1
	3	3	**Basic Number: N1, N2, N3, N14**
			4 operations with positive integers
			4 operations with negative integers
			Word problems/exam questions with basic operations
	4	3	**Scale Diagrams and Bearings: R2, G15**
			Recap angles, 8 compass points and associated bearings
			Drawing and interpreting three figure bearings
			Maps, diagrams and scale factors
	5	4	**Basic Algebra: A1, N3, A3, A4** Revisited in Y10 - more advanced examples then, including double brackets
			Simplifying - collecting like terms
			Multiplying terms (and basic dividing) - link to laws of indices
			Expanding a single bracket
			Factorise fully into a single bracket
	6	3	**Basic Fractions: N1, N2, N8**
			Equivalent fractions and simplifying fractions
			Adding and subtracting fractions
			Multiplying and dividing fractions
	7	3 OR 4	EXAM WEEK

Autumn 2	8	4	**Collecting and Representing Data: S2, S4**
			Types of data, basic data collection, frequency tables
			Bar charts - drawing and interpreting
			Pictograms - drawing and interpreting
			Pie charts - calculating angles, drawing, basic interpreting
	9 AND 10	5	**Coordinates and Linear Graphs: A8, G11, A9** Revisited in Y10 - more on gradient, y intercept and rearranged formats then
			Coordinates in 4 quadrants recap, vertical (x=a) and horizontal (y=b) lines
			Substitution and completing a table of values
			Plotting y=mx+c graphs
			Understanding gradient and y intercept, sketching/visualising graphs from equation
			KPI task: C2
	11	4	**Basic Decimals: N1, N2, N10**
			Ordering decimals (of varying decimal places too)
			Adding and subtracting decimals (varying decimal places) Ext - include negatives
			Multiplying decimals Ext - including negatives
			Dividing a decimal by an integer Ext - dividing by a decimal
	12	3	**Rounding: N15, N16**
			Recap of rounding to powers of 10, rounding to a given number of decimal places
			Rounding to significant figures
			Estimating calculations by rounding to 1sf Ext - word problems
	13	3	**Sequences: A23, A24**
			Term to term rules, special sequences (square, triangle, cube Ext - Fibonacci)
			Recap substitution, generating a sequence from nth term
			Finding n^{th} term of a linear sequence (increasing and decreasing) Ext - decimal terms
	14	3 OR 4	**Financial Maths**
			Resources in Course materials. Includes one Pod lesson

Spring 1	15 AND 16	6	**Basic Percentages: R9, N12 remember to always include percentages > 100%** Percentages revisited in Y10
			Understand percentages as parts per 100, express a quantity as a fraction and a % of another
			Express a quantity as a % of another - when changing units required
			Express a quantity as a % of another - word problems/problem solving
			KPI task C3
			Finding a % of an amount using the 10% method
			Finding a % of an amount using a decimal multiplier
	17 AND 18	7	**Introduction to Perimeter and Area: G12, G17, G16, G17** More in Y10 - more surface area then, and properties of other shapes
			Area (and perimeter) of basic shapes - rectangle, triangle, parallelogram. Extend to include finding missing length
			Area of a trapezium
			Area of compound shapes including rectangle/rectangle, rectangle/triangle, other quadrilaterals compounded
			Problem solving with perimeter and area (including algebra, missing lengths etc)
			KPI task: C4
			3D shapes - key vocabulary (faces, vertices, edges) and properties Extend to include nets
			Surface area of a cuboid
	19 AND 20	5	**Real Life Graphs: A14, R14**
			Time series graphs in various contexts - draw basic, interpret
			Conversion graphs - linear (°C to °F, km to miles, £ to $ etc)
			Read and interpret various graphs in real life contexts
			Draw distance time graphs - from tables or written descriptions
			Interpret distance time graphs
Spring 2	21 AND 22	6	**Introduction to Circumference and Area: G9, G17 Repeat** in Y10
			Parts of a circle, key terms, introduction to Pi
			Circumference of a circle
			Area of a circle
			Circumference and area practice
			Perimeter and area of semicircles and parts of circles
			Problem solving with circumference and area Extend to include compound shapes
	23 AND 24	6	**Equations: A2, A17 Revisited** in Y10 as part of simultaneous equations
			Solving basic one and two step equations recap
			Solving equations with brackets, fractions and squares
			Practice of solving equations with an unknown on one side only
			Solving equations with an unknown on both sides
			Solving equations with an unknown on both sides practice
			KPI task: C5
	25 AND 26	4	**Ratio and Proportion: N11, R3, R4, R5, R6, R7, R8**
			Simplifying ratios Ext - form 1: n or n:1
			Splitting an amount in a given ratio
			Splitting in a given ratio word problems/practice
			One known amount problems

Summer 1	27	4	**Scatter graphs: S6**
			Plotting a scatter graph
			Drawing lines of best fit, types of correlation and interpreting in context
			Using a line of best fit to interpolate, understand interpolation and surrounding issues
			KPI task: C6
	28 AND 29	7	**Indices: N6, N7 Revisit** in Y10 as part of a number recap
			Recap of multiplication by hand, use to find square and cube numbers
			Using calculator to calculate powers and roots
			Find and know powers of 2, 3, 4, 5 and 10
			Multiplying law
			Dividing law
			Power law and zero law
			Practice of index laws, including combinations Extend to include link back to multiplying or dividing algebraic terms
	30	4	**Pythagoras: G20**
			Recap of squaring and square rooting on calculator, discover Pythagoras'
			Finding the hypotenuse
			Finding a short side
			Pythagoras' practice - mixture
	31 AND 32	5	**Standard Form: N2, N9 Revisit** in Y10 as part of a number recap
			Powers of 10 recap, place value, multiplying and dividing by powers of 10
			Large numbers - number to standard form
			Large numbers - standard form to number
			Small numbers - number to standard form
			Small numbers - standard form to number

Summer 2	33 AND 34	8	**Transformations: G7, G24**
			Recap of vertical (x=a) and horizontal lines (y=b) and y=x and y= - x
			Carrying out a reflection in a given line (drawn or from equation)
			Describing a reflection
			Translations using a vector - perform and describe
			Rotations with a centre
			Rotations practice Extend to include describing a rotation
			Enlargement by a scale factor on a grid (no centre) Extend to include fractional scale factors
			Enlargement from a centre OR describing an enlargement with no centre
	35 AND 36	4	**Introduction to trigonometry: G20, R12** Revisited in Y11 - do finding sides then or somewhere in Y10
			Labelling sides
			Using a calculator to work with sin, cos and tan, incorporating other calculator skills
			Finding an angle
			Finding an angle practice
	37 AND 38	4 or 5	**Basic Probability: P1, P4, P7** Revisited in Y10 - frequency trees, tree diagrams, more challenging parts of topic then
			Key FDP equivalents, basic probability - scale, concept of 0 to 1, emphasis on NEVER A RATIO
			Probabilities of basic events - coins, cards, spinners etc
			Mutually exclusive events - adding to 1
			Listing outcomes of 1 and 2 events and calculating probabilities
			2-way tables
	14	3 OR 4	**Financial Maths**
			Includes one Pod lesson