Y10 and Y11 Plan Foundation Tier

Unit Number	Unit Name	Topics Covered
1	Number	Place value/Powers of 10
		Ordering numbers
		Standard Form
		Multiplying and dividing decimals
		Rounding and significant figures
		Estimation
		Error intervals
		Order of operations
		Calculator questions
		Negative number calculations
		Factors, multiples and primes
		HCF and LCM
		Prime factorisation
		Squares cubes and roots
		Laws of indices
	Sequences and Graphing	Nth term
		Non-linear sequences
		Coordinates and midpoints
2		Drawing linear graphs
		Equation of a line
		Quadratic graphs (sketching and features)
3	Linear Algebra	Collecting like terms
		Simplifying using laws of indices
		Expanding and factorising single and double brackets
		Construct and solve linear equations
		Solve inequalities
		Solve simultaneous equations
		Solve quadratic equations
4	Fractions and Percentages	Fractions of amounts
		Calculations with fractions
		Ordering FDP
		Percentage of amount
		Percentage change
		Reverse percentages
		Compound percentages
5	Ratio and Proportion	Simplifying ratio (including n:1)
		Share using ratio
		Dintary method - recipes, currency, best buy, similar shapes
		Direct and indirect proportion
6	Units	1 imes Motric and imporial units
7	2D and 3D Shapes	Shape properties
		Shape properties
		raits of the triangles
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8	Angle Properties	Missing angles
		Angles in parallel lines
		Angles in polygons
		Tessellations
9	Perimeter, Area and Volume	Rectangles, parallelograms, triangles and trapezia
		Circle area and circumference
		Circle arc length and sector area
		Compound shapes
		Volume of cubes, cuboids and prisms
10	Pythagoras and Trigonometry	Pythagoras' Theorem
		Trigonometry
		NEW - exact trig values
11	Transformations and Vectors	Symmetry
		Reflection
		Translation
		Rotation
		Enlargement
12	Scale, Bearings, Constructions and Loci	Bearings
		Constructions
		Loci
13	Compound Measures	Speed
		Distance-time graphs
		Pressure and density
		Rates of change