

## Year 11 - (Foundation)

<b>Week</b>	<b>Topic Area/Key assessments</b>	<b>Key Ideas</b>
1	Numeracy and Key Skill Recap (Cover)	Identifying Angles, on lines, around a point, in a circle, triangles and quadrilaterals
2	Numeracy and Key Skill Recap (Cover)	Index Laws
<b>REVISION BEGINS</b>		
1	Prime factors and indices	HCM and LCF. Index laws, Standard form
2	Indices and Standard form	Fractional and negative indices. Simplifying Surds
3	Linear sequences	Continuing linear sequences. Finding the Nth term of linear sequences.
4	Algebra	Expand, simplify with brackets and double brackets. Substituting into formula
5	Algebra	Factorising simple expressions. Changing the subject of a formula
6	Algebra	Form and solve equations
7	Line Graphs and Quadratics	Drawing lines graphs, finding the gradient of lines
<b>REVISION BEGINS</b>		
1	Fractions Decimals and percentages	Convert between fractions decimals and percentages
2	Fractions Decimals and percentages	Find fractions and percentages of amounts. Equivalent fractions
3	Fractions Decimals and percentages	Using the 4 operations with mixed numbers and improper fractions
4	Fractions Decimals and percentages	Percentage increase and decrease, compound interest
5	Handling Data	Pictograms bar charts, stem and leaf diagrams (include mean, media, mode, range)
<b>REVISION BEGINS</b>		
1	Area and area of compound shapes	Solving problems with the formulae for areas of rectangles and triangles
2	Volume and surface area	Find the volume and surface area of prisms
3	Angles, shapes and trigonometry	Angles in triangles, straight lines. Angles in parallel lines
4	Angles, shapes and trigonometry	Angles in quadrilaterals and other polygons
5	Angles, shapes and trigonometry	Use and apply the formulae for Pythagoras and trigonometry
6	Angles and Construction	To construct simple triangles using protractors and compasses. Plans and elevations
<b>REVISION BEGINS</b>		
1	Transformations	Rotations and reflections
2	Transformations	Translations and Enlargements
3	Vectors	Use and draw simple column vectors
4	Probability	Use 2 way and frequency tables. Find simple probabilities
5	Probability	Calculate probabilities from tables and frequency trees
6	Ratio	Writing and simplifying ratios. Sharing in ratio. Changing ratios to fractions
<b>REVISION BEGINS</b>		
1	FINAL REVISION	BASED ON INDIVIDUAL GAPS IDENTIFIED IN MOST RECENT ASSESSMENTS
2	FINAL REVISION	BASED ON INDIVIDUAL GAPS IDENTIFIED IN MOST RECENT ASSESSMENTS
3	FINAL REVISION	BASED ON INDIVIDUAL GAPS IDENTIFIED IN MOST RECENT ASSESSMENTS
4	FINAL REVISION	BASED ON INDIVIDUAL GAPS IDENTIFIED IN MOST RECENT ASSESSMENTS
5	FINAL REVISION	BASED ON INDIVIDUAL GAPS IDENTIFIED IN MOST RECENT ASSESSMENTS
6	FINAL REVISION	BASED ON INDIVIDUAL GAPS IDENTIFIED IN MOST RECENT ASSESSMENTS

## Year 11 - (Intermediate)

Week	Topic Area/Key assessments	Key Ideas
	<b>Powers and Roots</b>	
1,2	Vectors	Draw, use, add, subtract and multiply column vectors
3	Vectors	Vector proof
4	Powers and indices	HCF, LCM, Laws of indices (prime factor form starters)
5	Standard Form	Convert ordinary numbers to and from standard form, add subtract multiply and divide numbers in standard form (with and without calculators)
6	Algebra	Drawing straight line graphs and $y = mx + c$ (linear sequences starters). Real life graphs
7	Ratio	Ratio and proportion. Combining ratio, ratio to fractions, ratio one part given. Ratio with FDP. (sharing in ratio starter)
1	Geometry	Area, volume, perimeter of 2D and 3D shapes, including circles. Compound shapes, triangles, trapezia. (Plans and elevation starters)
2	Probability	Probability from a table (probabilities add up to 1), venn diagrams, probability trees. (Two way tables, frequency trees starters)
3	Algebra expressions	Expanding and factorising algebraic expressions. Starters: (expanding single brackets, substitution)
4	Solving Equations	Changing the subject of a formula. Form and solve equations
5	Angles and trigonometry	Angles in parallel lines, Pythagoras and Trig
6	FDP	Fraction four operations, compound interest, reverse percentages, percentage change
7	Averages	Averages, averages from frequency tables
8	Revision	
1	Angles, shapes and trigonometry	Angles in parallel lines. Find the exterior and interior angles in regular polygons.
2	Angles, shapes and trigonometry	Use and apply the formulae for Pythagoras and trigonometry
3	Angles, shapes and trigonometry	Advanced trigonometry sine rule and cosine rule
4	Quadratics and other curves	Draw and sketch quadratic and other graphs.
5	Quadratics and other curves	Expand and factorise double brackets
1	Assessment week	
2	Fractions Decimals and percentages	Find fractions and percentages of amounts
3	Fractions Decimals and percentages	Using the 4 operations with mixed numbers and improper fractions
4	Fractions Decimals and percentages	Percentage increase and decrease, compound interest. Reverse percentages
5	Graphs and rates of change	Use the formulae for speed density and pressure
6	Graphs and rates of change	Find the area under graphs using tangents to curves
1	Handling Data	Averages and pie charts
2	Handling Data	Scatter diagrams and stem and leaf
3	Handling Data	Cumulative frequency and Histograms
4	Angles and Construction	To construct triangles and bisectors
5	Angles and Construction	Loci
6		
1	Transformations	Rotations and reflections
2	Transformations	Translations and Enlargements
3	Vectors	Vector proof
4	Revision and assessment	

## Year 11 - (Higher)

<b>Week</b>	<b>Topic Area/Key assessments</b>	<b>Key Ideas</b>
1,2	Vectors	Column vectors (calculations) and geometric problems
3	Vectors	Proofs
4	Transformations	Enlargements, rotations, reflections, translation and combined transformations
5	Graph transformations	Transforming graphs
6	Trig graphs	Sin, cos and tan graph
7	Inequalities	Shading regions
8		
7	Circle graphs and parallel/perpendicular	Equation of a circle and tangents
2	Surds	Simplifying and rationalising the denominator
3	Bounds / iteration	Error intervals, truncations and bounds calculations
4	Algebraic Manipulations	Algebraic fractions
5	Area and volume	Algebraic problems
6	Probability	Tree diagrams, Venn diagrams and product rule for counting
7	Trigonometry	Exact trig values and advanced trig, recap SOHCAHTOA
1	Revision	
2	Revision	
3	Revision	
4	Revision	
5	Revision	
1	Revision	
2	Revision	
3	Revision	
4	Revision	
5	Revision	
6	Revision	
1	Revision	
2	Revision	
3	Revision	
4	Revision	
5	GCSE examinations	
6	GCSE examinations	
1	GCSE examinations	
2	GCSE examinations	
3	GCSE examinations	
4		
5		
6		