Year 11 – Higher

Learning Landmark (LL) assessments:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
LL1: Higher GCSE Exam Paper	LL2: Higher GCSE Exam Paper (Mock 1)	LL3: Higher GCSE Exam Paper	LL4: Higher GCSE Exam Paper (Mock 2)	N/A	N/A

Content Covered:

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme 2: Shapes & Angles	**Theme 1: Number and Calculation**	**Theme 8: Geometry**	**Theme 3: Fractions, Decimals & Percentages**	**Revision**	**N/A**
Revision of previous content	Revision of previous content	Revision of previous content	Revision of previous content		
The angle in a semicircle is a right angle	Surds	Know and use area = ½ab sinC to calculate the area of a triangle	**Theme 5: Ratio & Proportion**		
The angle at the centre is double the angle at the circumference	Deriving an iterative formula that can be used to find approximate solutions to a complex equation	Pythagoras' theorem to solve problems find the lengths in a cuboid and three-dimensional figures	Revision of previous content		
The angles in the same segment are equal	Understanding the meaning of a function	Trigonometry to find the angle and solve problems	**Theme 6: Sequences**		
Opposite angles in a cyclic quadrilateral sum to 180°	Notation for composite functions	Missing lengths and angles in three dimensional figures	Revision of previous content		
The two tangents from an external point are equal in length	Problems involving composite functions	Sine and cosine rule to find a missing side in a non-right-angled triangle			
A radius is perpendicular to a tangent at that point	Inverse of a function & solve problems with inverse functions	Bearings			
Circle theorem: A radius that bisects a chord is perpendicular to that chord	**Theme 7: Data & Probability**	**Theme 9: Transformations & Graphs**			
Circle theorem: Alternate segment theorem	Revision of previous content	Revision of previous content			

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Theme 4: Algebra	Venn diagrams and probability	Average rate of change (numerical, algebraic, graphical)			
Revision of previous content	Solving problems in probability that generate a quadratic equation	Instantaneous rate of change (numerical, algebraic, graphical)			
Quadratic equations	Capture-recapture method	Practical problems involving rates of change			
Turning points and roots of a quadratic function by completing the square	Histograms, frequency tables and missing values	Enlargement of a 2D shape including scale factors			
Equations involving fractions that can be rearranged into the form $ax^2 + bx + c = 0$		Problems involving the transformation of graphs			
Expanding the product of two binomials & surds		Vectors using ratios and parallel lines			
Inequalities and graphs		Proof involving vectors			
Quadratic inequalities		Key features of the graph of the trigonometric functions			
Algebraic fractions		Graphs of an exponential function, y = k^x, for positive values of k			
Factorisation		Transforming the graph $y = f(x)$: $f(ax)$, $af(x)$, $f(x) + a$, $f(x + a)$, $y = f(-x)$ and $y = -f(x)$			
Iterative process					
Complex equation solutions between two given values					
Iterative formula and equations					
Algebraic proof					