

Scheme of Work - Progression

Maths / Mathématiques

Year 11 / 2nde

Period 1	<p>Number</p> <ul style="list-style-type: none">• E1.2 Sets• E1.3 Powers and roots• E1.7 Indices I• E1.17 Exponential growth and decay <p>Algebra</p> <ul style="list-style-type: none">• E2.2 Algebraic manipulation• E2.3 Algebraic fractions• E2.4 Indices II• E2.5 Equations• E2.6 Inequalities• E2.7 Sequences
Autumn – Mid-Term Holiday	
Period 2	<p>Graphs</p> <ul style="list-style-type: none">• E2.9 Graphs in practical situations• E2.10 Graphs of functions• E2.11 Sketching curves• E2.12 Differentiation• E2.13 Functions
Winter Holiday	
Period 3	<p>Geometry</p> <ul style="list-style-type: none">• E4.1 Geometrical terms• E4.3 Scale drawings <p>Trigonometry</p> <ul style="list-style-type: none">• E6.4 Trigonometric functions• E6.5 Non-right-angled triangles• E6.6 Pythagoras' theorem and trigonometry in 3D <p>Transformations and Vectors</p> <ul style="list-style-type: none">• E7.1 Transformations• E7.2 Vectors in two dimensions• E7.3 Magnitude of a vector• E7.4 Vector geometry <p>Probability</p> <ul style="list-style-type: none">• E8.3 Probability of combined events• E8.4 Conditional probability
Winter – Mid-Term Holiday	
Period 4	<p>Statistics</p> <ul style="list-style-type: none">• E9.2 Interpreting statistical data• E9.3 Averages and range• E9.6 Cumulative frequency diagrams• E9.7 Histograms <p>Revision and Past Paper Questions</p>
Period 5	<p>Revision and Past Paper Questions (1 week)</p> <p>Examination</p> <p>Preparation for IB Coursework - skills and extended projects</p>