

Curriculum plan – Mathematics

Year 9					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<u>Summary</u> 1) Back to Maths activities 2) Calculations 3) Retrieval	<u>Summary</u> 1) Expressions 2) Retrieval	<u>Summary</u> 1) Angles and Polygons 2) Handling Data 3) Retrieval	<u>Summary</u> 1) Fractions, Decimals, Percentages 2) Formulae 3) Retrieval	<u>Summary</u> 1) Ratio and Proportion 2) Factors, Powers and Roots 3) Retrieval	<u>Summary</u> 1) Probability of events 2) Contingency and Retrieval activities of year
<u>Knowledge/Skills/ Application</u> Place Value Rounding Adding and Subtracting Multiplying and Dividing Order of Operations	<u>Knowledge/Skills/ Application</u> Terms and Expressions Simplifying expressions Indices Expanding and Factorising	<u>Knowledge/Skills/ Application</u> Angles and Lines Triangles and Quadrilaterals Congruence and Similarity Polygon angles Organising data Representing data 1 Representing data 2 Averages and spread	<u>Knowledge/Skills/ Application</u> Decimals and Fractions Fractions and Percentages Calculations with Fractions Fractions, Decimals and Percentages Substituting into a Formula Using standard Formulae Equations, identities and functions	<u>Knowledge/Skills/ Application</u> Proportion Ratio Percentage change Factors and multiples Prime factor decomposition Powers and roots	<u>Knowledge/Skills/ Application</u> Sets Possibility spaces Tree diagrams
<u>Assessment:</u> Progress tests – ELC paper	<u>Assessment:</u> Progress tests – Soft assessment	<u>Assessment:</u> Progress tests – ELC paper	<u>Assessment:</u> Progress tests – Soft assessment	<u>Assessment:</u> Progress tests – ELC paper	<u>Assessment:</u> Progress tests – Formal mock assessments

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Year 10					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<u>Summary</u> 1) Probability 2) Retrieval	<u>Summary</u> 1) Pythagoras and Trigonometry 2) Retrieval	<u>Summary</u> 1) Working in 2D 2) Measure and Accuracy 3) Retrieval	<u>Summary</u> 1) Calculations 2) Units and Proportionality 3) Retrieval	<u>Summary</u> 1) Graphs 2) Retrieval	<u>Summary</u> 1) Circles and Constructions 2) Retrieval
<u>Knowledge/Skills/ Application</u> Probability experiments Expected Outcomes Theoretical Probability Mutually exclusive events	<u>Knowledge/Skills/ Application</u> Pythagoras' Theorem Trig 1 Trig 2 Vectors	<u>Knowledge/Skills/ Application</u> Measuring lengths and angles Area of a 2D shape Transformations 1 Transformations 2 Estimation and approximation Calculator methods Measures and accuracy	<u>Knowledge/Skills/ Application</u> Roots and Indices Exact Calculations Standard form Compound units Direct proportion Inverse proportion Growth and decay	<u>Knowledge/Skills/ Application</u> Drawing straight line graphs Equation of a straight line Distance time graph	<u>Knowledge/Skills/ Application</u> Circles 1 Circles 2 Constructions Loci
<u>Assessment:</u> Progress tests – Soft assessment	<u>Assessment:</u> Progress tests – Formal mock assessment	<u>Assessment:</u> Progress tests – Soft assessment	<u>Assessment:</u> Progress tests – Formal mock assessment	<u>Assessment:</u> Progress tests – Soft assessment	<u>Assessment:</u> Progress tests – Formal mock assessments

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Year 11					
Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<u>Summary</u> 1) Back to Maths activities 2) Sequences 3) Retrieval	<u>Summary</u> 1) Equations and Inequalities 2) Handling Data 2 3) Retrieval	<u>Summary</u> 1) Working in 3D 2) Retrieval	<u>Summary</u> 1) Recap Retrieval 2) Learning Strategies	<u>Summary</u> 1) Recap Retrieval 2) Learning Strategies	<u>Summary</u> Exam
<u>Knowledge/Skills/ Application</u> Sequence rules Finding the nth term Special sequences	<u>Knowledge/Skills/ Application</u> Solving Linear Equations 1 Solving Linear Equations 2 Simultaneous Equations Inequalities Frequency Diagrams Averages and spread 2 Scatter graphs and correlation Time series	<u>Knowledge/Skills/ Application</u> 3D Shapes Volume of a prism Volume and Surface area	<u>Knowledge/Skills/ Application</u> Retrieval and revision topics	<u>Knowledge/Skills/ Application</u> Retrieval and revision topics	
<u>Assessment:</u> Progress tests – Soft assessment Functional Skills (targeted students)	<u>Assessment:</u> Progress tests – Formal mock assessment Functional Skills (targeted students)	<u>Assessment:</u> Progress tests – Soft assessment Functional Skills (targeted students)	<u>Assessment:</u> Progress tests – Formal mock assessment Functional Skills (targeted students)	<u>Assessment:</u> GCSE exams Functional Skills as required ELC as required	<u>Assessment:</u> GCSE exams