Year 1 Enriched Mathematics Course Outline

	Topics
Term 1	
1	**Factors and Multiples**
1A	Primes, HCF and LCM
1C	Squares, Square Roots, Cubes and Cube Roots
2	**Real Numbers**
2A	Integers
2B	Rational and Irrational Numbers
3	**Approximation and Estimation**
3A	Significant Figures
3B	Estimation
4	**Basic Algebra & Algebraic Manipulation**
4A	Basic Algebra
4B	Expansion
4C	Laws of Indices
4D	Factorisation involving Common Factors
4E	Factorisation by Grouping
4F	Substitution
Term 2	
5	**Simple Equations In One Variable**
5A	Linear Equations
5B	Simple Algebraic Equations
6	**Angles and Parallel Lines**
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7	**Triangles, Quadrilaterals and Other Polygons**
7A	Triangles
7B	Quadrilaterals
7C	Polygons
7D	Construction of Triangles & Quadrilaterals
Term 3	
8	**Ratio, Rate & Speed**
8A	Ratio
8B	Rate & Speed
8C	Direct & Inverse Proportion 1
8D	Direct & Inverse Proportion 2
8E	Scales & Maps – Linear Scale
8F	Scales & Maps – Area Scale
9	**Percentages**
9A	Percentage, Discount and Hire Purchase
9B	Taxes, GST and Commission
10	**Sequences and Number Patterns**
10	Sequence and Number Patterns
11	**Linear Functions and Graphs**

11A	Cartesian Coordinates, Scales and Linear Graphs
11B	Gradient and Equation of Straight Line
12	**Perimeters and Areas of Plane Figures**
12A	Perimeter and Area of squares, rectangles, triangles and circles
12B	Perimeter and Area of parallelograms and trapeziums
Term 4	
13	**Volume and Surface Area of Prisms and Cylinders**
13A	Volume and Surface Area of Cuboid, Prism and Cylinder
13B	Composite Solids
14	**Data Handling**
14A	Data handling – Frequency Tables
14 B	Reading and Interpreting Tables and Statistical Diagrams