

## Elements Curriculum Plan

### Subject: Numeracy

#### Building Block 1 ≈ Lower KS2

Topic/Content	Skills	Personal development
A - Place Value	<p>Counting</p> <p>Recognising digits</p> <p>Compare and order numbers</p> <p>Read and write numbers (numerals and words)</p> <p>Interpret negative numbers</p> <p>Problem solving</p> <p>Estimating</p> <p>Rounding</p>	<p>Communication</p> <p>Self-motivation</p> <p>Problem solving</p> <p>Leadership</p> <p>Life skills</p>
B - Addition and subtraction	<p>Add and subtract numbers mentally</p> <p>Use and apply formal written methods</p> <p>Recall addition and subtraction facts</p> <p>Estimating</p> <p>Use inverse operations</p> <p>Problem solving</p>	<p>Communication</p> <p>Self-motivation</p> <p>Problem solving</p> <p>Leadership</p> <p>Life skills</p>
C - Multiplication and division	<p>Recall multiplication and division facts ( 12 x 12)</p> <p>Use and apply formal written methods</p> <p>Solve mathematical statement using multiplication and division facts</p> <p>Problem solving</p> <p>Missing number problems</p> <p>Recognise and use factor pairs</p>	<p>Communication</p> <p>Self-motivation</p> <p>Problem solving</p> <p>Leadership</p> <p>Life skills</p>
D - Fractions and decimals	<p>Use &amp; count in tenths and hundredths</p> <p>Recognise, find &amp; write fractions</p> <p>Recognise some equivalent fractions</p> <p>Add/subtract fractions</p> <p>Compare and order fractions</p>	<p>Communication</p> <p>Self-motivation</p> <p>Problem solving</p> <p>Leadership</p> <p>Life skills</p>

## Elements Curriculum Plan

### Subject: Numeracy

	<p>Problem solving          Recognise common equivalents          Round decimals to whole numbers</p>	
E - Measurement	<p>Measure &amp; calculate with metric measures          Measure simple perimeter          Add/subtract using money in context          Use Roman numerals up to XII;          Tell time          Find area by counting squares          Estimate &amp; calculate measure          Problem solving</p>	<p>Teamwork          Communication          Self-motivation          Problem solving          Leadership          Life skills</p>
F - Geometry	<p>Draw 2-d / Make 3-d shapes          Identify horizontal, vertical, perpendicular and parallel lines          Identify angles          Identify symmetry          Use first quadrant coordinates          Simple translations</p>	<p>Communication          Self-motivation          Problem solving          Leadership          Life skills</p>
G - Statistics	<p>Interpret bar charts, line graphs and pictograms.</p>	<p>Teamwork          Communication          Self-motivation          Problem solving          Leadership          Life skills</p>

**Elements Curriculum Plan**  
**Subject: Numeracy**

**Building Block 2 ≈ Upper KS2**

Topic/Content	Skills	
A - Place Value	Counting Recognising digits Compare and order numbers Read and write numbers (numerals and words) Interpret negative numbers Problem solving Estimating Rounding	Communication Self-motivation Problem solving Leadership Life skills
B - Addition and subtraction	Add and subtract numbers mentally Use and apply formal written methods Recall addition and subtraction facts Estimating Use inverse operations Rounding Problem solving Solving multi-step problems	Communication Self-motivation Problem solving Leadership Life skills
C - Multiplication and division	Use standard written methods for all four operations Multiply & divide by powers of ten Identity and use square and cube numbers	Communication Self-motivation Problem solving Leadership Life skills
D - Fractions, decimals and percentages	Compare and order fractions Simplify fractions Add & subtract fractions	Communication Self-motivation Problem solving

## Elements Curriculum Plan

### Subject: Numeracy

	<p>Write decimals as fractions  Order &amp; round decimal numbers  Multiply simple fractions  Divide fractions  Solve problems using decimals &amp; percentages</p>	<p>Leadership  Life skills</p>
E - Measurement	<p>Confidently convert between different units  Calculate perimeter of composite shapes &amp; area of rectangles, triangle/parallelograms  Estimate volume &amp; capacity  Use area &amp; volume formulas</p>	<p>Teamwork  Communication  Self-motivation  Problem solving  Leadership  Life skills</p>
F - Geometry	<p>Identify 3-d shapes  Measure &amp; identify angles  Understand regular polygons  Reflect &amp; translate shapes  Classify shapes by properties  Know and use angle rules  Translate &amp; reflect shapes, using all four quadrants</p>	<p>Communication  Self-motivation  Problem solving  Leadership  Life skills</p>
G - Statistics	<p>Interpret tables &amp; line graphs  Solve questions about line graphs  Use pie charts  Calculate mean averages</p>	<p>Teamwork  Communication  Self-motivation  Problem solving  Leadership  Life skills</p>
H - Ration and proportion	<p>Problem solving using shapes and scales, sharing, fractions, percentages, multiplication and division facts</p>	<p>Teamwork  Communication  Self-motivation  Problem solving  Leadership  Life skills</p>

**Elements Curriculum Plan**  
**Subject: Numeracy**

I - Algebra	Using simple formula Express missing numbers Generate and describe number sequences	Communication Self-motivation Problem solving Leadership Life skills