

NRC KS3: Maths Learning Plan – Core

1st HALF TERM

	AUTUMN 1	SPRING 1	SUMMER 1
LEVEL 3	<p>Numeracy Place value to 1000 Addition/Subtraction facts to 20 Add/Subtract 2 digits mentally Add/Subtract 3 digits written Negative numbers in context Word Problems</p>	<p>Fractions Use simple fractions Equivalent fractions with simple fractions Decimals Decimals in context Sequences Recognise a range of sequences (inc odd, even, prime etc)</p>	<p>Shape Space and Measure Measures and Measuring (non-standard and standard) Time Position and movement</p>
LEVEL 4	<p>Numeracy Place value including decimals Rounding Multiply/Divide by 10/100/1000 Add/Subtract decimals Add/Subtract negative numbers Word Problems Perimeter</p>	<p>Fractions Use fractions and percentages to describe proportions of a whole Ratio Understand simple ratio Algebra Recognise and describe number patterns Use simple formulae expressed in words</p>	<p>Shape Space and Measure Measuring using a range of units -choose and use appropriate tools Time Rotation Co-ordinates in 1st quadrant</p>
LEVEL 5	<p>Numeracy Add/Subtract mental and written recap Multiply/Divide by 10/100/1000 and explain Round decimals Order/Add/Subtract negative numbers Multiply/Divide 3 digit by 2 digit (inc decimals) Inverse operations to check work Approximations</p>	<p>Fractions Use equivalence between fractions and order fractions and decimals Ratio Simple problems with ratio and proportion Algebra Number patterns and relationships Construct and use simple formula with 1/2 operations</p>	<p>Shape Space and Measure Reading more difficult scales Conversion Estimate measurements Rotation Enlargement Co-ordinates in 4 quadrants</p>

2nd HALF TERM

	AUTUMN 2	SPRING 2	SUMMER 2
LEVEL 3	<p>Numeracy Times Tables Multiply/Divide 2 digit no by 2, 3, 4, 5, 10 (+remainders) Division facts from known multiplication facts Approximation Word Problems</p>	<p>Shape Space and Measure Properties of 2D and 3D shapes Familiar nets Symmetry and Reflection Right Angles</p>	<p>Data Venn and Carroll diagrams Gather information Construct bar charts and pictograms Read and interpret information presented in simple tables, lists, bar charts and pictograms</p>
LEVEL 4	<p>Numeracy Multiplication facts to 10x10 and associated division facts Square Numbers Short multiplication and division Multiply simple decimal by a single digit Approximation Using a calculator Order decimals up to 3 decimal places Factors and Multiples</p>	<p>Shape Space and Measure Properties of 2D and 3D shapes Make 3D models Draw 2D shapes Reflection Area</p>	<p>Data Venn and Carroll diagrams Collect and record discrete data Group data Construct and interpret frequency diagrams and line graphs Mode and Range</p>
LEVEL 5	<p>Numeracy Order of operations (with decimals up to 2 decimal places) Factors, Multiples and Primes</p> <p>Fractions, Decimals and Percentages Cancelling fractions to their simplest form Calculate fractions and percentages of amounts</p>	<p>Shape Space and Measure Properties of 2D and 3D shapes Measure and draw angles Angles in a triangle/round a point/on a straight line Reflection Translation Area</p>	<p>Data Plan, ask questions and collect data Interpret graphs and draw conclusions Draw line graphs Find the Mean Compare data using averages</p> <p>Probability Understand and use the probability scale from 0 to 1 Understand that different outcomes may result from repeating an experiment</p>