


Year 7 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	<p>(BASELINE TEST- ARITHMETIC)</p> <p>Number –Place Value</p> <ul style="list-style-type: none"> -Understand place value for decimals, measures and integers of any size. -Order positive and negative integers, use the symbols = \neq \geq \leq $<$ $>$ - Round numbers and measures to an appropriate degree of accuracy (decimals places /significant figures) <p>Fortnightly Fluency Tests – Formative and diagnostic assessment</p> <p>Hegarty maths home learning set weekly</p>			<p>Number – Addition & Subtraction</p> <ul style="list-style-type: none"> -Use formal written methods for addition and subtraction of integers and decimals -Recognise and use relationships between addition and subtraction including inverse operations -Calculate and solve problems involving perimeter. <p>Fortnightly Fluency Tests – Formative and diagnostic assessment</p> <p>Hegarty maths home learning set weekly</p> <p>(REASONING AND PROBLEM SOLVING TEST)</p>			<p>Number – Multiplication & Division</p> <ul style="list-style-type: none"> -Multiply and divide by 10, 100, 1000 -Use formal written methods for multiplication and division of integers and decimals. -Recognise the relationships between operations including inverse operations. -Understand the order of operations. -Use the concepts and vocabulary of prime numbers, factors (or divisors), common factors and highest common factor (HCF) -Use integer powers associated with real roots (squares, cubes and higher), recognise powers of 2, 3, 4, 5 -Find prime decomposition of a number -Calculate and solve problems involving area of rectangles, triangles and parallelograms. -Calculate the mean average -Use approximation through rounding to estimate answers and calculate possible resulting errors using the inequality notation <p>Fortnightly Fluency Tests – Formative and diagnostic assessment</p> <p>Hegarty maths home learning set weekly</p>				<p>Revise & Improve</p> <p>Consolidation, gap filling, DIRT time</p> <p>END OF TERM TEST</p>	
Spring	<p>Number - Fractions 1</p> <ul style="list-style-type: none"> -Represent fractions using diagrams and number lines -Express one quantity as a fraction of another -Identify and use equivalent fractions -Compare and order fractions using the symbols = \neq \geq \leq $<$ $>$ -Mixed and improper fractions -Conversion between fractions and decimals -Add and subtract fractions with same/different denominators -Fractions of an amount <p>Fortnightly Fluency Tests – Formative and diagnostic assessment</p> <p>Hegarty maths home learning set weekly</p>						<p>Statistics</p> <ul style="list-style-type: none"> -Collect, organise and interpret data -Use tally charts, two way tables, median, mode, range -Draw and interpret bar charts, pictograms and line graph <p>Fortnightly Fluency Tests – Formative and diagnostic assessment</p>		<p>Number – Negative Numbers</p> <ul style="list-style-type: none"> -Use the four operations with negative numbers. -Understand the order of operations <p>Fortnightly Fluency Tests – Formative and diagnostic assessment</p> <p>Hegarty maths home learning set weekly</p>		<p>Revise & Improve</p> <p>Consolidation, gap filling, DIRT time</p> <p>END OF TERM TEST</p>	

		Hegarty maths home learning set weekly		
Summer	Algebra 1 -Introduction to algebra -Expressions, Equations, formula, term, function, identity -Simplifying expressions -Substitution including negatives -Solving simple linear equations -Sequences and nth terms Fortnightly Fluency Tests – Formative and diagnostic assessment Hegarty maths home learning set weekly	Geometry- Lines & Angles -parallel, perpendicular, right angles, regular polygons -Reflective and rotational symmetry -Properties of common 2D shapes -Use of protractor to measure angles -Angles around a point, straight line, vertically opposite -Alternate and corresponding angles -Sum of angles in triangles and quadrilaterals -Sum of angles in polygons Fortnightly Fluency Tests – Formative and diagnostic assessment Hegarty maths home learning set weekly		Revise & Improve Consolidation, gap filling, DIRT time END OF YEAR SUMMATIVE EXAMS