

## Subject Yearly Overview 2023-2024

Subject: Maths Y9	TOPIC	COMPONENT	<i>Notes: Why are you delivering this topic at this time of year?</i>
<b>Autumn 1</b>	Algebra 1	<p>Simplify and manipulate algebraic expressions:</p> <p>Collecting like terms</p> <p>Simplifying expressions involving sums, products and powers, including the laws of indices.</p>	<p>Having taught this group throughout the transition period in Summer 2 last year. I learnt that they are really eager to learn about algebra and have not been taught this content before. I feel that starting with this topic while they are ready to learn will help to keep them engaged. The Autumn term is also longer than the others and as a result will give us more time to cover this topic.</p>
<b>Autumn 2</b>	Geometry & Measure	<p>2D shapes</p> <p>Identify properties of 2D shapes</p> <p>Find Perimeter</p> <p>Find surface area with formulae (rectangle &amp; right angled triangles)</p> <p>Find the surface area of compound/composite shapes</p> <p>3-D shapes</p> <p>Identify properties of 3D shapes (faces, edges, vertices)</p> <p>Find volume of a cuboid and other <i>simple</i> prisms (use formulae)</p>	<p>After a long Autumn term, I think that that pupils find this topic easier to grasp and there are many physical resources available e.g. 3D shapes that pupils can see, hold and relate to learning.</p>

<b>Spring 1</b>	AQA Entry Level Certificate Maths - 5930.	Properties of number The four operations Ratio Money The calendar and time Measures Geometry Statistics	This is an alternative to the Entry level assessment used last year. Pupils need to complete a minimum of four components (in any order) to grade. I had a look and they are more 'maths' based and therefore less wordy.  This will fit in with the January registration window.
<b>Spring 2</b>	Number	Order positive and negative integers, Adding and subtracting /Multiply & dividing positive & negative integers Introduction to Maths symbols e.g. $=, \neq, <, >, \leq, \geq$ Understand the value of the digits in whole numbers Round numbers to the nearest whole number, 10, 100 or 1000	This will offer pupils a contrast to the previous term as the focus returns to numbers.
<b>Summer 1</b>	Algebra 2	substitute numerical values into formulae and expressions, including scientific formulae  <i>Solving equations and inequalities</i>  Solve linear equations with one unknown algebraically	This will give pupils an opportunity to build on what they were taught in Autumn 1.
<b>Summer 2</b>	Geometry and measure	Nets of shapes Plans and elevations	The housing markets is typically booming in the Summer months and this will allow ample opportunities to bring real life examples into the classroom

