Year 9 Summer Assessment 2024 – Revision Checklist
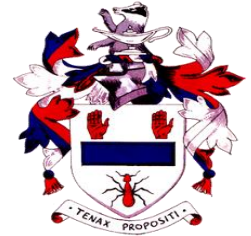
Topic	Text Book Ref.	Learning Intentions
1 **Area of Shapes and Compound Area**	**1**	• Understand and use metric units of area.
		• Calculate perimeters and areas of rectangles and squares.
		• Calculate the areas of triangles and parallelograms.
		• Calculate perimeters and areas of compound shapes.
		• Understand the use of square roots.
		• Find missing measurements given the area.
2 **Averages from a Frequency Table**	**1**	• Calculate the three averages [mean, median and mode] from a frequency table.
		• Decide which average is best to use.
		• Compare different sets of data.
		• Calculate and understand the range.
3 **Algebra 1 - Equations**	**1**	• Simplify algebraic expressions. • Form equations from written information. • Solve equations with x on both sides.
4 **3D Shapes and Volume**	**1**	• Draw cubes and cuboids on isometric paper. • Draw nets of cubes and cuboids. • Understand and use plans and elevations. • Calculate volume of cubes and cuboids. • Change units of volume.
5 **Polygons**	**1**	• Recognise and name polygons. • Understand and use interior and exterior angles.

		• Calculate missing angles in a polygon.
		• Understand tessellations.
6 **Standard Form, Indices and Significant Figures**	**2**	• Understand and use index notation and the laws of indices, including zero and negative indices. • Change between standard form and ordinary numbers. • Round numbers to significant figures and decimal places.
7 **Fractions – Multiplication and Division**	**2**	• Multiply whole numbers, fractions and mixed numbers by one another. • Divide by a fraction or mixed number. • Understand and use the word reciprocal.
8 **Probability and Possibility Spaces**	**2**	• Calculate the probability of an event **_NOT_** happening. • Draw a possibility space. • Use a possibility space to calculate probabilities.
9 **Algebra 2 – Expanding Brackets and Solving Equations**	**2**	• Multiply out brackets, including negative terms. • Solve equations involving brackets. • Construct and use simple algebraic formulae using brackets.
10 **Fractions and Percentages**	**2**	• Find fractions and percentages of quantities. • Write one quantity as a fraction of another. • Change between percentages, decimals and fractions. • Perform calculations involving percentage change.