

## Year 9 Mathematics Revision Checklist – Summer 2024

Please focus on the following topics for your Summer Examination. This includes work covered from September 2023 – May 2024.

You will need to bring a calculator, pencil, pen, and 30cm ruler with you for your Mathematics Examination.

<b>Mathematics Summer Examination 2024</b>	<b>Revised</b>
	✓
Rewrite algebraic expressions by expanding brackets.	
Use the laws of indices for positive powers.	
Understand how to write numbers in index form/index notation.	
Recognise 2D representations of 3D shapes.	
Draw the front elevation, side elevation and plan view of any 3D shape.	
Use prime factor decomposition (prime factor trees) to write any number as a product of its prime factors.	
Find the Highest Common Factor and Lowest common Multiple of any 2 numbers.	
Draw inequalities on a number line, or state inequalities when given a number line.	
Solve problems involving inequalities.	
Use compound measures to solve problems, such as Speed and Density.	
Understand and use equivalent fractions.	
Calculate the fraction of a quantity.	
Solve problems involving fractions.	
Calculate the percentage of a quantity.	
Solve problems involving percentages.	
Calculate the area and perimeter of quadrilaterals, including: square, rectangle, kite, rhombus, parallelogram, trapezium and triangles.	
Interpret scatter graphs/diagrams and draw a line of best fit.	
Draw conclusions from scatter graphs/diagrams.	
Understand the terms positive and negative correlation.	
Simplify ratio.	
Apply ratio of real life contexts to solve problems.	
State the next values in a sequence, using both numbers and diagrams.	
Find the nth term of a sequence.	
Calculate the mean, median, mode and range from a list of numbers.	
Construct and interpret a variety of different statistical diagrams including: frequency tables, tally charts, pie charts, bar charts, stem and leaf diagrams and frequency polygons.	