

Topic	Learning Intention
<u>Algebra 1:</u>	
	Simplifying Algebraic Expressions
	Multiplying Two Expressions (Brackets)
	Evaluate (Substitute) Expressions and Equations
	Add, Subtract and Multiply Algebraic Fractions
	Solve Linear Equations (Including brackets and fractions)
<u>Factorising</u>	
	Find the highest common factor and simplify a expression
	Simplifying expressions by grouping terms and factorising (Grouping)
	Factorise quadratic expressions using the guide number method
	Factorise expressions using the difference of two squares
<u>Algebra 2:</u>	
	Solve and Plot Linear Inequalities on a number line
	Solve and plot compound linear inequalities with two signs on a number line
<u>Statistics</u>	
	Describe and identify different types of data
	Distinguish and find central tendencies (mean, median and mode)
	Read and display data on a frequency table
	Find the range of a data set
	Create a random sample
	Critically read charts: bar chart, pie chart, stem and leaf plot
<u>Perimeter, Area and Volume</u>	
	Find the perimeter of 2D shapes including squares, triangles etc.
	Find the area of 2D shapes including Squares, triangles etc.
	Find the circumference and area of a circle and sector
	Find the surface area and volume of 3D shapes
<u>Geometry of the Line</u>	
	Plot points on the coordinate plane
	Find the distance between two points
	Find the midpoint between two points
	Finding the slope of a line
	Finding the equation of a line using (A) a slope and a point (B) two points
	Find the slope and y-intercept using $y = mx + c$