			Round to a number of significant figures
TERM 1 - August to October	Powers & Roots	Scientific notation in context; Calculations involving scientific notation	Write large and small numbers in Scientific notation/standard form
			Use numbers written in scientific notation within calculations
	Expressions and Equations	Constructing and solving simple equations	Solve equations with term on both sides e.g., $3x + 4 = 2x - 5$
		Distributive law; Simplifying, multiplying and evaluating simple algebraic terms involving brackets.	Multiply out a single bracket, including more than one within an expression e.g. $3(x + 2)$; $x(x - 4)$; $3(x + 2) - 2(x + 5)$
		Factorising - common factor and factorising expressions	Factorise using single bracket (common factor)
	Angles	Angles in 2D shapes, intersecting and parallel lines	On parallel lines calculate - Corresponding (F), Alternate (Z) and Co-interior (C) angles
			Angles inside polygons
			Calculate Complementary, Supplementary Angles and Vertically Opposite angles

TERM 2 October- December	Area	Area of composite 2D shapes	Calculate the area of composite 2D shapes, including parallelogram, kite and trapezium approached as composite shapes
	Circle	Circumference and area of a circle	Introduce pi
			Circumference of a circle using formula - C = Pi d or C = 2Pi r
			Area of a circle using formula - C = Pi r ²
			Circumference and area of simple fractions of circles - half, quarter, third
	Problem Solving	Problem Solving	Problem Solving

January to March	Angles, Symmetry and Transformation		Simple enlargement and reduction
		Scale drawings	Introduce the term scale factor and use it in simple examples
			Scales down/up maps or diagrams
		Bearings	Compass points and 3 figure bearings and their use in drawing scale drawings of journeys
	Angles, Symmetry and Transformation	Right angled triangles - Pythagoras	Pythagoras - finding hypotenuse
		Right angled triangles - Pythagoras	Pythagoras - finding smaller side
		Right angled triangles - Pythagoras	Using Pythagoras Theorem given coordinates
	Data and Analysis	Averages	Calculate mean, median, mode & range and compare data sets
<u>8</u>		Statistics	Read data from stem-and-leaf diagrams
TERM		Statistics	Draw stem-and-leaf diagram
H		Statistics	Draw back-to-back stem-and-leaf diagram
	Percentages	Tolerance	Tolerance
		Percentages	Revision of percentages with and without a calculator
		Percentages	Express a quantity as a percentage of another.
	Integers	Rules of negative numbers	Rules to add (+), subtract (-), multiply (x) and divide (÷) negative (-ve) and positive (+ve) numbers
		Problem solving using negative	Problem solving using negative numbers including real life
	Droiget	numbers	examples
	Project	Project	Project

TERM 4 April - May	SDT	Convert units of time	Convert hours and minutes to hours in decimal form (and reverse)
		Rate	Calculate rate: e.g., miles per hour or number of texts per month
			etc.
		Speed, Distance & Time	Calculate speed, distance or time given the other two using simple time periods
		Speed, Distance & Time	Calculate speed, distance or time given the other two using time intervals and/or hours and minutes within problems
	Volume	Volume of a prism	Calculate the volume of a prism given the area of the face
		Volume of a prism	Calculate the volume of a prism from a formula - cylinder, triangular prism