7H

Term 1		Term 2		Term 3	
Module 1	**Module 2**	**Module 3**	**Module 4**	**Module 5**	**Module 6**
Maths in the real world	Factors, multiples, primes	Constructions	Simplifying and forming expressions	Recognising and using coordinates	Probability
Basic number and calculations	Fraction and decimal calculations	Transformations	Calculating with formulae	Plotting graphs	Statistical Enquiry: Biology
Fractions, decimals, percentages	Percentages	Symmetry and tesselations	Mapping inputs and outputs	Balancing equations	Collecting and analysing data
Rounding	Lengths and perimeter	3D Shapes and nets	Basic sequences rules	Forming and solving equations	
Order of operations	Area of 2D shapes	Loci	Factors, multiples, primes	Real life graphs	
Using a calculator	Measuring and classifying angles	Scale drawings	Squares, cubes and roots	Bar Charts	
Intro to ratio & proportion	Calculating missing angles	Volume		Pie Charts	
	Properties of 2D shapes			Line Graphs	
				Averages	

Successful Outcomes
Confidence with calculations involving integers, decimals, fractions, percentages and directed numbers
Confidence applying the properties of number to problems in order to solve
Understanding the link between fractions, decimals and percentages and applying to conversion problems
Fluency with calculating areas, perimeters and volumes when given formulae
Ability to use mathematical equipment correctly for accurate drawings
Familiarity applying mathematics to different angle and shape problems
Understanding the basic rules of algebra, including differences between equations, expressions and formulae
Confidence with plotting and interpreting graphs
Confidence working with sequences
Familiarity with basic probability, statistical charts and analysis calculations

7F

Term 1		Term 2		Term 3	
Module 1	**Module 2**	**Module 3**	**Module 4**	**Module 5**	**Module 6**
Maths in the real world	Order of operations	Properties of 2D shapes	Simplifying and forming expressions	Recognising and using coordinates	Probability
Understanding of place value	Using a calculator	Drawing angles and shapes	Calculating with formulae	Plotting graphs	Statistical Enquiry: Biology
Powers of 10 and metric units	Intro to ratio & proportion	Constructing triangles	Mapping inputs and outputs	Balancing equations	Collecting and analysing data
Calculations with directed integers	Factors, multiples, primes	Transformations and tessellations	Basic sequences rules	Forming and solving equations	
Calculations with decimals	Calculations with fractions	Scale drawings	Factors and multiples	Real life graphs	
Fractions, decimals and percentages	Calculations with decimals 2	3D Shapes and nets		Bar Charts	
Rounding	Fractions, decimals and percentages 2	Volume		Pie Charts	
	Lengths and perimeter			Line Graphs	
	Area of 2D shapes			Averages	
	Measuring and classifying angles				

Successful Outcomes
Confidence with calculations involving integers, decimals, fractions, percentages and directed numbers
Familiarity with the properties of number
Understanding the link between fractions, decimals and percentages
Confidence with calculating areas, perimeters and volumes
Ability to use mathematical equipment correctly for accurate drawings
Familiarity with different types of angles and shapes
Understanding the basic rules of algebra, including differences between equations, expressions and formulae
Confidence with plotting and interpreting graphs
Familiarity with basic rules of sequences
Familiarity with basic probability, statistical charts and analysis calculations

Term 1		Term 2		Term 3	
Module 1	**Module 2**	**Module 3**	**Module 4**	**Module 5**	**Module 6**
Integers and decimals	Multiplication and Division	Angles in lines	Constructions and loci	y=mx+c & curved graphs	Probability
4 operations	BIDMAS	Angles in shapes	Bearings	Coordinate midpoints	Statistical Enquiry: Geography
Properties of number	Using a calculator	Congruency	Volume and surface area	Sequences	Collecting and analysing data
Ordering decimals	Ratio	3D Shapes	Algebraic manipulation	Index laws	

8H	Fraction calculations	Proportion	Transformations	Linear equations	Algebraic manipulation 2	
	Percentage calculations	Percentage increase/decrease	Scale drawings		Formulae and equations	
	FDP	Metric and imperial measures			Trial and improvement	
	Rounding	Perimeter			Direct proportion (k)	
	Addition and Subtraction	Area			Real life graphs	
	Powers of 10					
	Successful Outcomes					
	Fluency with calculations involving integers, decimals, fractions, percentages and directed numbers					
	Fluency applying the properties of number, rounding and the order of operations to problems					
	Confidence converting between fractions, decimals and percentages					
	Fluency with calculating areas, perimeters and volumes					
	Ability to use mathematical equipment correctly for accurate drawings					
	Confidence applying mathematics with angles and shapes					
	Confidence applying the basic rules of algebra in expressions, equations, formulae and graphs					
	Fluency with basic rules of sequences and familiarity with position to term rules					
	Understanding of simple probability rules					
	Confidence using basic statistical charts and applying analysis calculations					
8F	Integers and decimals	Multiplication and Division	Angles in lines	Constructions and loci	y=mx+c & curved graphs	Probability
	4 operations	BIDMAS	Angles in shapes	Bearings	Coordinate midpoints	Statistical Enquiry: Geography
	Properties of number	Using a calculator	Congruency	Volume and surface area	Sequences	Collecting and analysing data
	Ordering decimals	Ratio	3D Shapes	Algebraic manipulation	Index laws	
	Fraction calculations	Proportion	Transformations	Linear equations	Algebraic manipulation 2	
	Percentage calculations	Percentage increase/decrease	Scale drawings		Formulae and equations	
	FDP	Metric and imperial measures			Trial and improvement	
	Rounding	Perimeter			Direct proportion (k)	
	Addition and Subtraction	Area			Real life graphs	
	Powers of 10					
	Successful Outcomes					
	Fluency with calculations involving integers, decimals, fractions, percentages and directed numbers					
	Confidence with the properties of number, rounding and the order of operations					
	Confidence converting between fractions, decimals and percentages					
	Confidence with calculating areas, perimeters and volumes					
	Ability to use mathematical equipment correctly for accurate drawings					
	Confidence applying mathematics with angles and shapes					
	Confidence applying the basic rules of algebra in expressions, equations, formulae and graphs					
	Fluency with basic rules of sequences and familiarity with position to term rules					
	Understanding of simple probability rules					
	Confidence using basic statistical charts and applying analysis calculations					

	Term 1		Term 2		Term 3	
	Module 1	**Module 2**	**Module 3**	**Module 4**	**Module 5**	**Module 6**
	4 operations and rounding	Percentage problems	Transformations	Index Laws	Solving inequalities	Real life graphs
	Calculating with fractions	Proportional reasoning	Maps, scale drawings and bearings	Algebraic manipulation	Trial and improvement	Probability
	Direct proportion	Use a calculator correctly	Similarity	Equations, identities and formulae	Graphing functions	Statistical Enquiry: Physics
	Proportional / percentage change	Angles, circles and polygons	3D Shapes (nets etc)	Solving linear equations	Sequences and linear nth term	Collecting and analysing data
	Ratio	Pythagoras' Theorem	Applying Trigonometry	Rearranging formulae	Quadratic nth term	
	Standard form and index laws	Congruency, constructions & loci	Bearings	Direct proportion (k)	Graphing simultaneous eq.	
	Estimation and bounds	Measures and dimensions		Simultaneous equations	Gradient: parallel and perpendicular	
	Decimals, indices and surds	Perimeter, area and volume				
		Arcs and sectors				

		Compound units				
9H	**Successful Outcomes**					
	Fluency with calculations involving integers, decimals, fractions, percentages and directed numbers					
	Fluency with the properties of number, rounding and the order of operations					
	Fluency converting between fractions, decimals and percentages					
	Fluency calculating areas, perimeters and volumes of prisms					
	Fluency calculating surface area and visualising of 3D shapes and their properties					
	Ability to use mathematical equipment correctly for accurate drawings					
	Confidence applying more complicated mathematics with angles and shapes					
	Fluency applying the basic rules of algebra to simplify, rearrange, solve and graph (linear)					
	Confidence with more complex algebraic manipulation and application					
	Understanding of linear and quadratic position to term rules					
	Fluency applying simple probability rules					
	Fluency using basic statistical charts and applying analysis calculations					
9F	4 operations	Percentage problems	Area and perimeter incl. circles	Intro to Trig	Graphing functions	Probability
	Calculating with fractions	Proportional reasoning	Arcs and sectors	Volume and surface area of prisms	Sequences and nth term	Statistical Enquiry: Physics
	Direct proportion	Estimation and approximation	Transformations	Algebraic manipulation	Index laws	Collecting and analysing data
	Percentage change	Use a calculator correctly	Maps, scale drawings and bearings	Solving equations	Algebraic manipulation 2	
	Ratio	Metric conversions	3D Shapes (nets etc)	Linear functions	Trial and improvement	
	Powers of 10 and index form	Angles	Pythagoras		Direct proportion (k)	
	Rounding	Congruency	Compound units		Real life graphs	
	Decimals	Constructions and loci				
	Use a calculator for BIDMAS					
	Successful Outcomes					
	Fluency with calculations involving integers, decimals, fractions, percentages and directed numbers					
	Fluency with the properties of number, rounding and the order of operations					
	Fluency converting between fractions, decimals and percentages					
	Fluency calculating areas, perimeters and volumes of prisms					
	Confidence calculating surface area and visualising of 3D shapes and their properties					
	Ability to use mathematical equipment correctly for accurate drawings					
	Confidence applying more complicated mathematics with angles and shapes					
	Fluency applying the basic rules of algebra to simplify, rearrange, solve and graph (linear)					
	Familiarity with more complex algebraic manipulation and application					
	Fluency with basic rules of sequences and position to term rules					
	Confidence applying simple probability rules					
	Fluency using basic statistical charts and applying analysis calculations					