Curriculum Map						
Year 7						
Half term	Hyperlink to scheme of work	Unit title	Skills & content covered	Skills & content revisited	Links to GCSE skills and content	Summary of formative marking, feedback and student response
Autumn 1	.	Unit 1: Place value	Order positive and negative decimals (including numbers with a differing number of decimal places;Round decimals to 2 decimal places	Order positive integers and decimals to 1 decimal place; Round whole numbers to the nearest whole, 10, 100, 1000	Ordering and Rounding to dp and sf	Exit ticket 1: Ordering decimals and negative numbers
		Unit 2: Addition & Subtraction	Add and subtract integers and decimals of any size (including negatives and numbers with a differing number of decimal places; Calculate and use the perimeter of any shape	Add and subtract negative numbers	Number - working with decimals (+ and -)	Exit ticket 2:Add and subtract integers and decimals (inc. negatives)
		Unit 3: Angles and angle sums	Draw and measure any angle (including reflex);Know the angles at a point, on a straight line and in a triangle;Recognise vertically opposite angles;Know and use angles in a quadrilateral;Identify alternate and corresponding angles; Solve geometrical problems using alternate and corresponding angles justifying answers	Draw and measure angles (acute, obtuse);Distinguish between and estimate the size of acute, obtuse and reflex angles	Geometrical Reasoning	Exit ticket 3: Use angle sums (triangle, line, point and quadrilateral)
Autumn 2	.	Unit 4: Mutilplication & Division	Multiply and divide decimals with one or two decimal places by an integer; Multiply and divide negative numbers; Understand the effect of multiplying and dividing numbers by values between 0 and 1; Know and apply BIDMAS (including indices); Use squares, positive and negative square roots, cubes and cube roots, and index notation for small positive integer powers	*Multiply and divide integers and decimals by 10, 100, 1000;Use written methods to multiply 2 or 3 digit numbers by a single digit number; Recognise square numbers and corresponding square roots*	Number - working with decimals (x and ÷)	Exit ticket 4: Multiply and divide integers and decimals (inc negatives); Exit ticket 5: Know and apply BIDMAS (inc indices)
		Unit 5: Multples and Factors	Recognise and use HCF and LCM (in simple cases); Use Venn diagrams to depict common multiples and factors; Find the prime factorisation of a number	*Recognise and use multiples, factors, primes (under 100); Recognise and use HCF and LCM (in simple cases); Use Venn diagrams to depict common multiples and factors*	Prime factor form, HCF and LCM	Exit ticket 6: Determine HCF, LCM, prime factorisation
		Unit 6: Applications	Calculate areas of shapes made from rectangles; Derive and use formula for the area of a triangle, parallelogram and trapezium; Calculate areas of compound shapes; Know rough metric equivalents of imperial measures	*Know and use the formula for the area of a rectangle; Calculate areas of shapes made from rectangles;*	Mensuration	Exit ticket 7: Area
Spring 1	.	Unit 7: Fractions & Percentages	Order fractions by writing as equivalents or converting into decimals; Use division to convert a fraction to a decimal; Add and subtract fractions; Multiply and divide fractions; Increase and decrease and amount by a given percentage	Convert between fractions, decimals and percentages; Express a smaller number as a percentage or fraction of a larger one; Multiply fractions by an integer; Add and subtract simple fractions; Calculate fractions and percentages of quantities	Fractions, Decimals and Percentages	Exit ticket 8: Percentages; Exit ticket 9: Fractions - the 4 operations
		Unit 8: Applications	Read and draw simple pie charts	Interpret simple pie charts	Pie Charts	AfL in lessons.
Spring 2	.	Unit 9: Ratio & Proportion	Simplify ratios, including those in different units; Divide a quantity into two or more parts given a ratio; Use the unitary method to solve problems involving ratio and direct proportion; Apply understanding of link between ratio and proportion; Increase and decrease and amount by a given percentage	Use ratio notation; Simplify ratios (including money and time); Divide a quantity into two parts in a simple ratio;	Ratio and Proportion problem solving	Exit ticket 10: Use and simplify ratio notation; Exit ticket 11: Sharing in a given ratio; Exit ticket 12: Solving proportion problems
		Unit 10: Shape	Use 2D and 3D shape in ratio problems	Know and use properties of 2D shapes	Properties of shapes	AfL in lessons.
Summer 1	.	Unit 11: Sequences	Generate terms of a linear sequence using term-to-term and position-to-term rules; Use linear expressions to describe the nth term of a simple arithmetic sequence; Relate linear sequences to linear functions; Explore iterative sequences	Generate terms of a simple sequence, given a rule; Describe the general term of a simple sequence; Generate sequences from patterns or practical contexts	nth term of a sequence	Exit ticket 13: Sequences (nth term)
		Unit 12: Algebraic Expressions	Use index notation for small positive integer powers; Simplify or transform linear expressions by collecting like terms; Understand that algebraic operations, including the use of brackets, follow the rules of arithmetic; Multiply a single term over a bracket (positive and negative integers	Use letter symbols to represent unknown numbers or variables; Simplify linear algebraic expressions by collecting like terms; Understand and use inverse operations	Algebra - Simplifying and Expanding brackets	AfL in lessons.
Summer 2	.	Unit 13: Algebraic Manipulation	Use formulae from mathematics and other subjects; Substitute positive integers into expressions involving small powers; Derive simple formulae and in simple cases change subject	Use simple formulae expressed in words, then symbols; Substitute positive integers into simple linear expressions and formulae; Construct and solve simple linear equations, e.g. 4a=12	Algebra - Substitution	Exit ticket 14: Sustitution; Exit ticket 15: Forming and Solving Linear Equations
		Unit 14: Linear Graphs	Express simple functions algebraically and represent them in mappings or on a spreadsheet; Generate points in all four quadrants and plot graphs of linear functions (y given explicitly in terms of x), on paper and using ICT; Recognise that equations of the form y = mx + c correspond to straight-line graphs; Discuss and interpret graphs arising from real situations.	Use coordinates in the first quadrant; Plot a simple graph (e.g. for a multiplication table; Use coordinates in all four quadrants and identify coordinates of points determined by geometric information; Represent simple functions using words, symbols and mappings; Plot graphs of simple linear functions (y given explicitly in terms of x	Straight Line Graphs	Exit ticket 16: Straight line graphs (linear functions)