

	Objective
Integers, powers and roots	Calculate factors and multiples and the HCF and LCM
	Index Notation - including squares, cubes and roots
	Understand and identify prime numbers to 100 and express numbers as products of their prime factors
Fractions, decimals and percentages	Find equivalent fractions and simplify fractions.
	Order fractions
	Convert between mixed numbers and improper fractions
	Calculate fractions of quantities
	Calculate with fractions
	Convert between fractions, decimals and percentages
Data	Construct and interpret a pictogram
	Group data into Venn Diagrams (get rid of the carroll diagrams)
	Construct and interpret a bar chart
Calculations and accuracy	Understand place value
	Round to the nearest 10, 100, 1000 etc
	Add and subtract with integers
	Multiply and divide with integers
	Calculate with negative numbers
	Understand and apply the correct order of operations
	Add and subtract with decimal numbers
	Multiply and divide with decimal numbers
Simplifying and substituting	Round to a given number of decimal places
	Use and interpret algebraic notation
	Simplify expressions by collecting like terms
Assessment Week	Substitute numbers into basic formulae
	Revision Lesson
	Advent Assessment
Percentages	Marking Lesson
	Calculate percentages of quantities
Ratio	Increase or decrease a quantity by a given percentage (non multiplier)
	Simplify ratios
	Write a ratio in the form 1:n
	Writing ratios as fractions
	Understand and use proportion as equality of ratios using ratio tables
	Solve problems involving recipes
	Calculate the best value of a product
	Convert between currencies
Forming and solving equations	Sharing an amount into a given ratio (whole)
	Solve one-step linear equations
	Solve two-step linear equations
	Write simple formulae from words
	Rearrange basic formulae

Lines, angles and shapes	Identify isosceles, equilateral and right angled triangles Labelling triangles using geometric properties
	Recognise acute, obtuse and reflex angles
	Draw and measure angles accurately
	Identify and recognise parallel and perpendicular lines
	Know and use the fact that angles on a straight line equal 180°
	Know and use the fact that angles in a triangle equal 180°
	Know and use the fact that angles around a point equal 360° and vertically opposite angles are equal
	special properties of quadrilaterals (take from year 8 higher)
	Labelling parts of a circle and properties of a circle. (take from year 8 higher)
Assessment Week	Revision Lesson
	Lent Assessment
	Marking Lesson
Area	Calculate the area of rectilinear shapes
	Calculate the area and perimeter of triangles
Sequences, functions and graphs	Find the next term of a sequence given a rule
	Generate a number sequence from a pattern
	Find the nth term of arithmetic sequences
	Types of sequences
Volume	Calculate the volume and surface area of cubes and cuboids
Probability	Understand and use the vocabulary of probability
	Understand and use the probability scale
	Express a probability as a fraction
	Use the OR rule for probability
	Use the fact that mutually exclusive probabilities add up to 1
	Sample space diagrams (take from 8H)
	listing outcomes (take from 8H)
Measures	Read scales
	Interpret real life tables
	Convert from one metric unit to another
Inequalities	Use the symbols $=$, $\neq$, $<$, $>$, $\leq$, $\geq$.
	Evaluate the solution set of single and double bounded inequalities
	Represent sets of solutions on a number line
Assessment Week	Revision Lesson
	Pentecost Assessment
	Marking Lesson
Constructins and Loci	nets
	plans and elevations
	drawing on 3D isometric paper
	similar shapes
	use similarity to find missing lenghts
	draw and measure bearings
	use maps and scales