

Autumn Term

Year 9

Spring Term

Year 9

Summer Term

Year 9

CARLTON
KEIGHLEY

W.C.	05/09	12/09	19/09	26/09	03/10	10/10		31/10	07/11	14/11	21/11	28/11	05/12	12/12 + 19/12	X M A S H O L I D A Y S
Blocks	ALGEBRAIC MANIPULATION EQUATIONS AND INEQUALITIES				STRAIGHT LINE GRAPHS		H A L F T E R M	THREE DIMENSIONAL SHAPES			DCP1	NUMBERS			
Term One	Simplify Expressions Collect like terms Expand single brackets Expand & simplify	Expand double brackets Solve 1-step equations Solve 2-step equations	Form & solve Equations Solve equations with unknown on both sides	Represent Inequalities Solve 1 and 2-step inequalities Rearrange Formulae	Lines parallel to the axes $y=x$ and $y=-x$ substitution plotting straight line graphs	Understand gradients and intercepts Use $y=mx+c$ Find the gradient of a line		Properties of Solids Nets Plans & Elevations	Area of 2D shapes Surface Area of Cubes, Cuboids & Prisms Volume of Cubes & Cuboids	Volume of a Prism Area of a Circle Volume of a Cylinder Reverse Volume problems	Y7/8 revision for DCP Y9 revision for DCP DCP Core and Higher Papers	Calculations with Integers Calculations with decimals Problem Solving with Decimals Working with Directed Numbers	HCF LCM Fraction of an amount $+/-$ - fractions problem solving \times/\div fractions problem solving	Large numbers and Standard Form Small numbers and Standard Form Ordering with Standard Form	

W.C.	02/01	09/01	16/01	23/01	30/01	06/02		20/02	27/02	06/03	13/03	20/03	27/03	E A S T E R
Blocks	PERCENTAGES			MATHS AND MONEY			H A L F T E R M	ANGLES		DCP2	TRANSFORMATIONS			
Term Two	Fraction, Decimal & Percentage conversions Percentage of an amount (non-calc)	Percentage of amount (calc) Percentage inc./decrease Repeated Percentage Change	Express a Percentage change Reverse Percentage problems Mixed Fraction, Decimal, Percentage problems	Money problem solving with Bills & Bank Statements Working with VAT	Wages & Salaries Income Tax Simple Interest Compound Interest	Exchange Rates Unit Price problems Multi-step problems involving money		Basic angle facts Angles in Triangles & Quadrilaterals Multi-step angle problems Alternate & Corresponding Angles	Co-interior angles Multi-step problems with parallel lines Algebra in angle problems Revision for DCP2	Y7/8 content revision lessons for DCP Y9 content revision lessons for DCP DCP Core & Higher papers	Describe a& Reflect a shape in line Describe & Rotate a shape around a point	Describe & Translate a shape using a vector Similarity & Enlargement Enlargement positive integer scale factor Enlargement fractional scale factor	Describe an enlargement Perform multi-step transformations Describe multi-step transformations	

W.C	17/04	24/04	01/05	08/05	15/05	22/05		05/06	12/06	19/06	26/06	03/07	10/07	17/07	
Blocks	TRANS'	PYTHAGORAS' THEOREM		RATIO AND PROPORTION			H A L F T E R M	RATES			DCP3	PROBABILITY		FINAL WEEK	S U M M E R
Term Three	Consolidation of transform's	Identify Hypotenuse in Triangle Using Pythagoras to find Hypotenuse Finding Hypotenuse in context	Finding Shorter side using Pythagoras Solving Pythagoras in context	Direct Proportion problems Recipe problems	Best Buy problems Unitary method for best buys Conversion Graphs Inverse Proportion	Simplify a ratio Share in a ratio Solve with a ration given the 1-part or the difference Solve ratio problems in context		Find speed by scaling up to an hour Find speed by calculation Solve Speed, Distance, Time problems Average Speed problems	Find Volume involving cm ³ and ml/litre conversions Flow rates Calculate Density	Solve Density, Mass, Volume problems Convert between metric units of Area & Volume Convert between Compound Units (e.g. m/s to km/hr)	Y7/8 revision for DCP Y9 revision for DCP DCP Core & Higher papers Recap of single probability events	Probability on a Scale Probability in a table, sum to 1 From a 2-way Table From a frequency Tree From a Venn diagram	Relative Frequency Expected no. of outcomes Completing & Using a Tree diagram Representing probability using a Tree Diagram	Feedback and Consolidation from DCP3	