Autumn Term Year 7 | Spring Term Year 7 | Summer Term Year 7

CARLTON KEIGHLEY

W.C.	04/09	11/09	18/09	25/09	02/10	09/10		30/10	06/11	13/11	20/11	27/11	04/12	11/12	18/12	
Blocks	SEQUENCES		ALGEBRAIC NOTATION			EQUALITY EQUIVALENCE			PLACE VALUE			DCP1	FDP			
Term One	Describe and continue a sequence Sequences in a table and graphically Numeracy Lesson	Understand and continue linear sequences Understand and continue non-linear sequences Explain the term-to-term rule	Find inputs & outputs of one/two-step function machines Write an algebraic expression from one-step machine	Missing functions (one-step expressions) Substitute values into one-step expressions Use variables with two-step function machines	Find missing functions from two-step expressions Substitute values into one and two-step expressions	Solve one-step equations inv. addition Solve one-step equations inv. subtraction Solve one-step eq's with mult' and division	HALF TERM	Like and unlike terms – one variable and constants Collect like terms e.g. multiple variables Collect like terms inc. terms with powers	Recognise and write integers up to millions (+ billions if accessible) Compare and order integers using < and > Round integers to 1SF (recap 10 100 1000 first if needed)	Find the range of a set of integer values Find the median of a set of integer values Understand decimal place value (could inc number lines) Compare decimals using < or >	Order lists of decimals (ext to find the range /median) Round decimals to 1 or 2 decimal places Round dec's to one significant figure (1SF)	Prior knowledge Revision Lesson Y7 Revision Lesson Autumn Term DCP Assessment Core & Higher Papers	Represent 10ths/100ths using diagrams and num lines Convert fracs and decimals - 10ths 100ths and 1000ths Convert fracs and decs (1/2, quarters, fifths) Understand fractions as division	Explore fractions that give recurring decimals Understand 'percentage' as parts per 100 and write as fractions Understand/ use pairs of equivalent fractions	Convert fracs to percentages using equiv' fractions Convert between FDP – key conversions Convert fluently between all FDP	XMAS

W.C.	01/01	08/01	15/01	22/01	29/01	05/02		19/02	26/02	04/03	11/03	18/03	25/03	
Blocks	ADDITION & SUBTRACTION			MULTIPLICATION & DIVISION				DIRECTED NUMBERS			DCP2	FRACS AND PERCS OF AMOUNTS		
Term Two	Mental strategy – partitioning and compensation Written addition and subtraction with integers	Written add subtract with decimals Financial maths – totals, change, profit, loss etc. Calculate with bank statements Solve problems with frequency trees	Perimeter of shapes Solve problems with perimeter – extend to compound	Understand and use factors Understand and use multiples Written multiplication of integers (as appropriate) Multiply integers and decimals	Written division by an integer (integer or decimal) Further division – using factors and answers into decimals Calculate the mean Order of operations	Area of rectangles and parallelograms Find and use the area of triangles	HALF TERM	**Compare and order directed numbers** **Perform calculations that cross zero** **Add directed numbers**	**Subtract directed numbers** **Multiply divide with positive and negative numbers** **Consolidate four ops and evaluate powers with negatives** **Order of ops inc. negative numbers**	**Substitute negative numbers** **Solve one-step equations inc. negatives** **Solve two-step equations**	**Y6 knowledge + Y7 Revision – Autumn Term** **Y7 Revision – Spring Term** **Spring Term DCP Assessment Core and Higher papers**	**Find any given fraction of an amount** **Percentages of amounts basics – 50% 25% 10% and 1%** **Percentages of amounts – multiples of 10%**	**Percentages 3 – 5% of amount, building 15% etc.** **Find percentages using a calculator** **Multi-step problems with percs and fracs of amounts**	EASTER

W.C.	15/04	22/04	29/04	06/05	13/05	20/05		03/06	10/06	17/06	24/06	01/07	08/07	15/07	22/07	
Blocks	**ADD SUBTRACT FRACTIONS**		**GEOMETRIC NOTATION**			**GEOMETRIC REASONING**				**PROBABILITY**		**DCP3**	**MULTIPLES FACTORS PRIMES**			
Term One	Understand and use equivalent fractions Add/sub fractions with same denominator Add/subtract fractions from integers Add/subtract unit fractions (common multiple e.g. 1/5 + 1/15)	Add/subtract any fractions (common multiple e.g. 3/5 + 7/10) Add/subtract fractions with any given denominator Add/subtract mixed numbers	Understand and use angle and shape notation Understand and classify angle types (inc. more notation) Measure acute and obtuse angles	Draw acute and obtuse angles Measure and draw reflex angles Identify parallel and perpen' line segments	Recognise triangle types Recognise types of quadrilateral Irregular and regular polygons	Use the sum of angles at a point Use the sum of angles on a straight line	**HALF TERM**	Recognise and use vertically opp. angles Sum of angles in a triangle Sum of angles in a quadrilateral Mixed angle rules, giving reasons	Solve multi-step angle problems Interior angle sums in polygons	Probability of single events Understand and use the probability scale	Use the fact that probabilities sum to one Interpret and create Venn diagrams Probability from venns and frequency trees Understand the union and intersection of sets (AuB AnB)	Autumn Revision for summer term DCP3 assessment Spring/Summer Revision for summer term DCP3 assessment SUMMER TERM DCP Assessment Core & Higher papers	RECAP: Find and use the LCM RECAP: Find and use the HCF	Recognise and use prime numbers Write numbers as a product of their prime factors Find the HCF of two or more numbers using prime factorisation	Find the LCM of two or more numbers using prime factorisation Consolidation of any outstanding lessons	**XMAS HOLIDAYS**