Maths Long Term Plan Year 7



Temperance Term

W/C	1	2	3	4		5	6	7			
Topic	Number 1										
Core learning for all sets Core learning for sets 1-2	Place Value Write numbers as words and vice versa. Up to 1 billion. State the value of digits within a number. Up to 1 billion. Order numbers. Positive integers up to 1 billion, small numbers (decimals), both ascending and descending. Place numbers on a numberline. Working with measurement scales.	Baseline Assessment	Four operations Addition and subtraction. Column method, different number of digits. Borrowing. Multiplication. Column or grid method for long multiplication. Positive integers. Decimals if secure. Up to 4-digit numbers y 2-digit numbers. Pagit numbers will be secure. Up to 4-digit numbers will number by 2-digit numbers. But a digit numbers will number by 2-digit numbers. When the secure will not be secured by 1-digit numbers will not secure. Whose pupils away from using "remainders". Move pupils away from using in the proposition of the pr			sup to 12 and 5 respectively. Calculate positive integer powers higher than 3. Calculate positive number. If two or three numbers. Identify the LCM of two or For ftwo or three numbers. Accapt divisibility tests. Iprime numbers under 100. Express a number as a for two numbers under 100. Express a number as a for two numbers using prime factorisation and a I indices should be included. Insert brackets to make	Fractions Unit fractions. Write unit fractions to describe shaded diagrams. Calculate unit fractions of quantities using written methods. Non-unit proper fractions. Write fractions to describe shaded diagrams. Calculate fractions of quantities using written methods. *Reversef fractions of quantities. Improper fractions and mixed numbers. Write fractions to describe shaded diagrams. Convert mixed numbers into improper fractions and view versa.	HALF TERM			
	Extension/ Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.										
Assessment					Progr	ress Check					
W/C	8	9	10	11	12 13		13				
Topic	Assessment 1	Assessment 1 Proportional Reasoning 1									
Core learning for all sets Core learning for sets 1-2	Revision and delivery of assessment	Fractions Equivalent fractions/simplifying fractions. Use mr fractions. Use LCM to find common denominator factors (HCF) to simplify fractions to their lowest as a fraction of another. Arithmetic with factions. Add, subtract, multiply (including fractions with different denominators, mixed numbers). Give answers in simplest form.	r for 2 or more fractions. Find Simpli terms. Express one quantity part a form: y and divide fractions Equiv i, improper fractions and, find a	Write a ratio to describe a shaded diagram. fying ratios. Use common factors (HCF) to fully simplify r ad 3-part ratios, as well as ratios with different units. Co In or nr.1. Jealent ratios. Use multiples to find equivalent ratios. Given equivalent ratio where one part is given.	ios. Use common factors (HCF) to fully simplify ratios. Do this for 2- tratios, as well as ratios with different units. Convert a ratio to a convert a ratio to a linverse proportion. Simple in the following the f		roblems involving direct proportion. Use unitary method where possible to solve roblems involving the following: best buys, rates of pay, recipes. Ratios, factors and multiples may also be used but the unitary method must be understood. neers proportion. Simple examples only, to be solved less formally.		STMAS		
Extension/ Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.											
Assessment	Formal, summative			Progress Check							

Maths Long Term Plan Year 7



Justice Term

W/C	14	15	16	16 17			18 19				
Topic	Directed Number	Algebra 1									
Core learning for all sets Core learning for sets 1-2	Directed Number	Expressions	Bri	Brackets			Substitution	HALF TERM			
	Extension/ Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.										
Assessment		Progress Check				Progress Check					
W/C	21	22	23		24		25	26			
Topic	Assessment 2 Geometry 1										
Core learning for all sets Core learning for sets 1-2	Revision and delivery of assessment	2D shapes	Pe	Perimeter Area					EASTER		
Extension/ Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.											
Assessment	Formal, summative					Progress Check					

Maths Long Term Plan Year 7



Courage Term

W/C	27	28	29	30	31	31			
Topic	Geom	etry 1							
Core learning for all sets Core learning for sets 1-2	Surface Area		Solving equations		Rearranging formulae	HALF TERM			
	Extension/ Challenge: Oper	n middle, goal free, exam que	stions, "by example", SSDD ar	e good resources but always ch	noose problems based on the c	urrent topic.	_		
Assessment		Progress Check			Progress Check				
W/C	32	33	34	35	36	37			
Topic	Assessment 3	Alg	ebra 2						
Core learning for all sets Core learning for sets 1-2		Inequalities		Data collection	Representing data (univariate)	Representing data (bivariate)	SUMMER		
Extension/ Challenge: Open middle, goal free, exam questions, "by example", SSDD are good resources but always choose problems based on the current topic.									
Assessment	KS3 Interna	al Exams			Progress Check				