



**** YEAR 3 MATHS PROGRESSION IN SKILLS (N.C. COVERAGE) AND KNOWLEDGE STATUTORY REQUIREMENTS						
AUTUMN	SPRING	SUMMER				
AUTUMN 1: NUMBER – NUMBER AND PLACE VALUE	SPRING TERM: NUMBER – MULTIPLICATION AND DIVISION	SUMMER TERM: MEASURE - TIME				
 Recognise the place value of each digit in a two-digit number (tens, ones) (Year 2) Compare and order numbers up to 1,000 Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number Identify, represent and estimate numbers using different representations Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) NUMBER - ADDITION AND SUBTRACTION Recognise the place value of each digit in a two- 	 Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 	 Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, am/pm, morning, afternoon, noon and midnight Know the number of seconds in a minute 				
 digit number (10s, 1s) (Year 2) Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds 	MEASURE – LENGTH AND PERIMETER ➤ Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) ➤ Measure the perimeter of simple 2D shapes NUMBER - FRACTIONS	and the number of days in each month, year and leap year Compare durations of events (for example to calculate the time taken by particular				
Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	events or tasks) GEOMETRY – PROPERTIES OF SHAPE Recognise angles as a property of shape or a description of a turn				

MEASURE - MASS

Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

MEASURE - CAPACITY

Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

NUMBER - FRACTIONS

- > Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7
- > Solve problems that involve the above

- > Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
- > Draw 2D shapes and make 3D shapes using modelling materials; recognise 3D shapes in different orientations and describe them

STATISTICS

> Interpret and present data using bar charts, pictograms and tables

NUMBER – MULTIPLCATION AND DIVISION

Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using

problems, using number facts, place value, and

Estimate the answer to a calculation and use

inverse operations to check answers

> Solve problems, including missing number

more complex addition and subtraction





YEAR 3 MATHS PROGRESSION IN SKILLS (N.C. COVERAGE) AND KNOWLEDGE STATUTORY REQUIREMENTS

- mental and progressing to formal written methods
- Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
- Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects
- Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators
- > Solve problems that involve the above

MEASURE - MONEY

> Add and subtract amounts of money to give change, using both £ and p in practical contexts







Year 3 Maths Skills

A daliti an and	Normale and and Discon	Functions	Almahaa		C	Ctatiatian
Addition and	Number and Place	Fractions	Algebra	Measurement	Geometry:	Statistics
Subtraction	Value				Properties of shapes	
MENTAL CALCULATION	COUNTING	COUNTING IN	EQUATIONS	COMPARING AND	DRAWING AND	INTERPRETING,
-add and subtract	- count from 0 in	FRACTIONAL STEPS	- solve problems,	ESTIMATING	CONSTRUCTING	CONSTRUCTING AND
numbers mentally,	multiples of 4, 8, 50	-count up and down	including missing	- compare durations	- draw 2-D shapes	PRESENTING DATA
including:	and 100	in tenths	number problems,	of events, for	and make 3-D	-interpret and
* a three-digit		RECOGNISING	using number facts,	example to calculate	shapes using	present data using
number and ones	-find 10 or 100 more	FRACTIONS	place value, and	the time taken by	modelling materials;	bar charts,
* a three-digit	or less than a given	-recognise, find and	more complex	particular events or	recognise 3-D shapes	pictograms and
number and tens	number	write fractions of a	addition and	tasks	in different	tables
* a three-digit	COMPARING NUMBERS	discrete set of	subtraction. (copied	- estimate and read	orientations and	SOLVING PROBLEMS
number and	-compare and order	objects: unit	from Addition and	time with increasing	describe them	-solve one-step and
hundreds	numbers up to 1 000	fractions and non-	Subtraction)	accuracy to the	ANGLES	two-step questions
WRITTEN METHODS	IDENTIFYING,	unit fractions with	- solve problems,	nearest minute;	- recognise angles as	[e.g. 'How many
-add and subtract	REPRESENTING AND	small denominators	including missing	record and compare	a property of shape	more?' and 'How
numbers with up to	ESTIMATING NUMBERS	 recognise that 	number problems,	time in terms of	or a description of a	many fewer?'] using
three digits, using	- identify, represent	tenths arise from	involving	seconds, minutes,	turn	information
formal written	and estimate	dividing an object	multiplication and	hours and o'clock;	- identify right	presented in scaled
methods of	numbers using	into 10 equal parts	division, including	use vocabulary such	angles, recognise	bar charts and
columnar addition	different	and in dividing one –	integer scaling	as a.m./p.m.,	that two right angles	pictograms and
and subtraction	representations	digit numbers or	(copied from	morning, afternoon,	make a half-turn,	tables.
INVERSE OPERATIONS,	READING AND WRITING NUMBERS	quantities by 10.	Multiplication and	noon and midnight	three make three	tables.
ESTIMATING AND	-read and write	- recognise and use	Division)	(appears also in Telling	quarters of a turn	
CHECKING ANSWERS		fractions as		the Time)	and four a complete	
-estimate the	numbers up to 1 000	numbers: unit		MEASURING and	turn; identify	
answer to a	in numerals and in	fractions and non-		CALCULATING	whether angles are	
calculation and use	words	unit fractions with		- measure, compare,	greater than or less	
inverse operations	-tell and write the	small denominators		add and subtract:		
to check answers	time from an	COMPARING		lengths (m/cm/mm);	than a right angle - identify horizontal	
PROBLEM SOLVING	analogue clock,	FRACTIONS		mass (kg/g);	•	
	including using				and vertical lines	
					and pairs of	





YEAR 3 MATHS PROGRESSION IN SKILLS (N.C. COVERAGE) AND KNOWLEDGE STATUTORY REQUIREMENTS

-solve problems,	Roman numerals	-compare and order	volume/capacity	perpendicular and	
including missing	from I to XII, and 12-	unit fractions, and	(I/ml)	parallel lines	
number problems,	hour and 24-hour	fractions with the			
using number facts,	clocks	same denominators	- measure the		
place value, and	(copied from	EQUIVALENCE	perimeter of simple		
more complex	Measurement)	-recognise and show,	2-D shapes		
addition and	UNDERSTANDING	using diagrams,	- add and subtract		
subtraction	PLACE VALUE -	equivalent fractions	amounts of money		
	recognise the place	with small	to give change, using		
	value of each digit in	denominators	both £ and p in		
	a three-digit number	ADDITION AND	practical contexts		
	(hundreds, tens,	SUBTRACTION OF	TELLING THE TIME		
	ones) PROBLEM SOLVING	FRACTIONS	-tell and write the time		
	-solve number	add and subtract	from an analogue		
	problems and	fractions with the	clock, including using		
	practical problems	same denominator within one whole (e.g.	Roman numerals from		
	involving these	5/7 + 1/7 = 6/7)	I to XII, and 12-hour and 24-hour clocks		
	ideas.	PROBLEM SOLVING	- estimate and read		
	iucus.	- solve problems that	time with increasing		
		involve all of the	accuracy to the		
		above	nearest minute; record		
		above	and compare time in		
			terms of seconds,		
			minutes, hours and		
			o'clock; use vocabulary		
			such as a.m./p.m.,		
			morning, afternoon, noon and midnight		
			(appears also in		
			Comparing and		
			Estimating)		
]		





YEAR 3 MATHS PROGRESSION IN SKILLS (N.C. COVERAGE) AND KNOWLEDGE STATUTORY REQUIREMENTS

12/11/0/11/10/11/00/11/20	701011110101110101010101010101010101010		
		CONVERTING	
		- know the number of	
		seconds in a minute	
		and the number of	
		days in each month,	
		year and leap year.	