The Piggott School: Charvil Primary



'Go and do Likewise' Luke 10:25, -37 The Parable of the Good Samaritan We live with love and compassion, seeking help in times of need

Curriculum Map: Maths Year 6

Long Term Plan

Autumn	Spring	Summer
Investigating Number Systems	Reasoning with Fractions	KS2 Test Preparation
Pattern Sniffing	Discovering Equivalence: Decimals and Percentages	Mathematical Explorations
Exploration, Calculation and Generalising Arithmetic	Patterns in Shape, Statistics and Sequences	
(Addition, Subtraction, Multiplication and Division)		

Content Declarative Knowledge 'I know' and Skills Procedural Knowledge 'I know how to'

Number		Measurement	Geometry		Statistics	Ratio &	Algebra		
Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions, Decimals & Percentages		Properties of Shapes	Position & Direction		' Proportion	·
-read, write,	perform mental	multiply multi-	use common	solve problems	draw 2-D shapes	describe	interpret and	solve problems	use simple
order and	calculations,	digit numbers up	factors to	involving the	using given	positions on the	construct pie	involving the	formulae
compare	including with	to 4 digits by a	simplify	calculation and	dimensions and	full coordinate	charts and line	relative sizes of	
numbers up to	mixed	two-digit whole	fractions; use	conversion of	angles	grid (all four	graphs and use	two quantities	
10 000 000 and	operations and	number using	common	units of		quadrants)	these to solve	where missing	
determine the	large numbers	the formal	multiples to	measure, using			problems	values can be	
value of each		written method	express fractions	decimal notation				found by using	
digit		of long	in the same	up to three				integer	
		multiplication	denomination	decimal places				multiplication	

				where appropriate				and division facts	
round any whole number to a required degree of accuracy	and subtraction		order fractions, including fractions > 1	and convert between	describe and build simple 3-D shapes, including making nets	draw and translate simple shapes on the coordinate plane, and reflect them in the axes	interpret the mean as an average	involving the	
use negative numbers in context, and calculate intervals across zero		up to 4 digits by a two-digit number using the formal written method	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions		compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons			involving similar shapes where	express missing number problems algebraically

	according to the context						
solve number and practical problems that involve all of the above	common factors, common multiples and prime numbers	fractions, writing the answer in its	have different perimeters and vice versa	illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius		involving unequal sharing	equation with
	knowledge of the order of operations to	whole numbers [for example,					enumerate possibilities of combinations of two variables
	involving addition, subtraction, multiplication and division	division and	calculate the area of parallelograms and triangles				

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identify t						
value of						
	umbers compare volume	!				
given to						
decimal						
and mult	ply and standard units,					
divide nu	mbers including cubic					
by 10, 10	0 and centimetres					
1000 givi						
answers						
three de						
places	other units [for					
Proces	example, mm ³					
	and km³]					
	una kin j					
multiply	one-					
digit nun						
with up t	o two					
decimal						
by whole						
numbers						
use writt	en					
division						
methods						
cases wh	ere the					
answer h	as up					
to two do	cimal					
places						
<u> </u>						
solve pro						
which re						
answers						
rounded	to					
specified						
degrees	of					
accuracy						

recall and use equivalences petween simple fractions, decimals and percentages, ncluding in
different contexts

Vocabulary

Number and place	Addition and	Multiplication and	Geometry (position	Geometry	Fractions, decimals	Algebra	Data/statistics
value	subtraction	division	and direction)	(properties of shape)	and percentages	Aigebia	
Numbers to ten	Order of operations	Order of operations	Four quadrants (for	Vertically opposite	Degree of accuracy	Linear number	Mean
million		Common factors,	coordinates)	(angles)	Simplify	sequence	Pie chart
		common multiples		Circumference,		Substitute	Construct
				radius, diameter		Variables	
						Symbol	
						Known values	