

Y3 Overview and Curriculum links



**Family Maths
Toolkit**

Term	Topic	Activities	Main Curriculum link	Also covers	
Autumn	Number - addition and subtraction	Domino animals	Add and subtract numbers with up to 3 digits.	Solve a range of problems and develop mathematical thinking and reasoning skills.	
	Number - multiplication and division	Bug football	Using times tables facts to solve problems.		
	Geometry - properties of shape	Rangoli pattern*	Extend use of the properties of shapes, recognise shapes in different orientations, extend understanding of symmetry.		
	Measurement		Right angles	Identify right angles.	Develop mathematical reasoning.
			Snowflakes	Lines of symmetry in a variety of shapes.	
			In a year	Know the number of days in a month and months in a year.	
	Statistics	Jungle expedition	Add and compare, add and subtract mass (g/kg).		
		Fireworks show*	Solve a given problem by organising and interpreting data in a simple table. Explain methods and reasoning.		
	Problem solving	Decorations light box*	Problem solving and working systematically.		
	Christmas tree	Develop mathematical thinking, working systematically and checking all possibilities.			

*Needs to be printed in colour

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Spring	Number and place value	Ancient Greek monster	Place value introducing or using numbers greater than 1000.	Addition and subtraction using 4 digit numbers.	
		Number - multiplication and division	Chocolate bar puzzle		Using 3 and 5 times tables to solve problems, working systematically.
		Valentine's multiplication	Recall and use the 3, 4 and 8 multiplication tables.		
	Measurements	Parking meters	Add and subtract money in context.	Solve a range of problems, checking all possibilities, presenting data. Interpret and present data.	
		Human anatomy facts	Measure and compare lengths (m, cm, mm).		
		Roman clock face	Tell and write the time from an analogue clock, including using Roman numerals from 1 to XI.		
		TV time task	Estimate and read time with increasing accuracy to the nearest minute; record 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.		
	Geometry - properties of shape	Weight of fruit	Estimate, measure, compare mass.	Measure and compare lengths.	
		Shapes of boxes	Recognise 3D shapes.		
		Triangle test	To visualise and describe properties of 2D shapes and use mathematical vocabulary to describe positions and orientation.		

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Summer	Number - addition and subtraction	Crossword	Add and subtract numbers with up to 3 digits, solve a range of problems and develop mathematical thinking.	Solve a range of problems and develop mathematical thinking and reasoning skills. Intervals of time. Measure the perimeter of simple shapes.
		Number - multiplication and division	Trooping the colour* Times tables puzzle	
	Measurement	Planning a trip	Add and subtract amounts of money using both £ and p in practical contexts.	
		At the vets	Addition of money using £ and p.	
		A year of drinks	Measure and compare mass and/or capacity, solve a range of problems and develop mathematical thinking.	
	Geometry - properties of shape	Cupcakes recipe	Measure, compare, add and subtract mass (g/kg); the comparison of measures including simple scaling eg 2 times as much, connecting to multiplication.	
		What volumes can you find	Measure, compare, add and subtract volume/ capacity (l,ml).	
		Rooms - right angles and rectangles	Measure and compare, add and subtract lengths (m, cm, mm); identify right angles.	
		Half shape challenge	Extending knowledge of shape; symmetrical and non-symmetrical polygons.	

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