	Medium Term F	Planning — Number - `	Year 5		
	Where possible, the contents of this u				
	Year 5 Objectives AUTUMN	Year 5 Objectives SPRING	Year 5 Objectives SUMMER		
Cross Phase Elements	To explain logically their strategies and solutions using mathematical language and give reasons to justify.				
	To provide real life contexts for mathematical learning e.g. real life problems, world of work, financial literacy, patterns in nature				
	To understand, investigate and apply the range of ways maths can be used to solve practical problems.				
	To explore number through practical and visual resources, models and equipment including structured maths equipment.				
	Use mathematical literacy, estimation, problem-solving and organising work, etc.				
	To use known facts and the inverse to check.				
		To recognise and use the appropriate method of calculation - mental, written or calculator.			
	To explore the history and development of maths in different cultures and periods of time and investigate the work of famous mathematicians				
Using and Applying	B1q. To solve problems using an extensive range of strategies and equipment, presenting information in a clear and organised way, and checking results				
	B1r. To explain their strategies and solu	tions using mathematical language a	nd give reasons to justify.		
	Solve one and two-step problems involve	ring whole numbers and decimals and	d all 4 operations		
Counting and	B1a. To read, write, order and	B1a. To read, write, order and			
Understanding Number	compare positive and negative numbers up to 1 million	compare positive and negative numbers up to 1 million			
	B1I. To understand and use decimals up to three decimal places.	B1I. To understand and use decimals up to three decimal places.			
		B1n. To understand and use	B1n. To understand and use		
		percentages; find a percentage of an amount	percentages; find a percentage of an amount		
Knowing and	B1b. Use place value to multiply and	B1b. Use place value to multiply	B1b. Use place value to multiply and		
Using Number Facts	divide by 10 and 100	and divide by 10 and 100	divide by 10 and 100		
	B1c. To use estimation and rounding	B1c. To use estimation and	B1c. To use estimation and rounding		
	in solving problems and in checking reasonableness of solutions.	rounding in solving problems and in checking reasonableness of solutions.	in solving problems and in checking reasonableness of solutions.		
	B1d. To understand and identify	B1d. To understand and identify	B1d. To understand and identify		
	properties of numbers including	properties of numbers including	properties of numbers including		
	factors, multiples, prime, squares, square roots, cubes	factors, multiples, prime, squares, square roots, cubes	factors, multiples, prime, squares, square roots, cubes		
	B1g. To recall instantly the	B1g. To recall instantly the	B1g. To recall instantly the		
	multiplication facts up to 10 x 10 and quickly derive corresponding division	multiplication facts up to 10 x 10 and quickly derive corresponding	multiplication facts up to 10 x 10 and quickly derive corresponding division		
	facts.	division facts.	facts.		
		B1j. To understand and use fractions recognise equivalence, order and simplify.	B1j. To understand and use fractions recognise equivalence, order and simplify.		
	B1m. To round decimals to 1 decimal				
	place.				
Calculating	B1e. To derive quickly complements to 1000				
	B1f. To use appropriate written	B1f. To use appropriate written	B1f. To use appropriate written		
	methods of addition and subtraction to	methods of addition and	methods of addition and subtraction		
	numbers with whole numbers and decimals.	subtraction to numbers with whole numbers and decimals.	to numbers with whole numbers and decimals.		
	decimals.	whole numbers and decimals.	deciliais.		

B1h. To use appropriate written methods of multiplication with whole numbers and decimals.	B1h. To use appropriate written methods of multiplication with whole numbers and decimals.	B1h. To use appropriate written methods of multiplication with whole numbers and decimals.
B1i. To use appropriate written methods of division with whole numbers and decimals	B1i. To use appropriate written methods of division with whole numbers and decimals	B1i. To use appropriate written methods of division with whole numbers and decimals
	B1k. To calculate fractions of amounts and recognise the equivalence between fractions, decimals, percentages and ratio.	B1k. To calculate fractions of amounts and recognise the equivalence between fractions, decimals, percentages and ratio.
		B1o. To solve simple problems involving ratio.

	Medium Term I	Planning — Algebra - `	Year 5	
		nit should be taught through cross-cui		
	Year 5 Objectives AUTUMN	Year 5 Objectives SPRING	Year 5 Objectives SUMMER	
Cross Phase Elements	To explain logically their strategies and	, , ,	, ,	
	To provide real life contexts for mathematical learning e.g. real life problems, world of work, financial literacy, patterns in nature			
	To understand, investigate and apply the range of ways maths can be used to solve practical problem			
	Explore algebra through practical and visual resources, models and equipment including structured maths equipment.			
Using and Applying	B1q. To solve problems using an extensive range of strategies and equipment, presenting information in a clear and organised way, and checking results			
	B1r. To explain their strategies and solutions using mathematical language and give reasons to justify.			
Algebra	B4a. To generate and explore a range of number patterns and be able to explain the relationships	B4a. To generate and explore a range of number patterns and be able to explain the relationships		
	B4b. To construct, express in symbolic form, and use simple formulae involving one operations.	B4b. To construct, express in symbolic form, and use simple formulae involving one operations.	B4b. To construct, express in symbolic form, and use simple formulae involving one operations.	
		B4c. To identify and collect like terms and simplify expressions.	B4c. To identify and collect like terms and simplify expressions.	
			B4d. To solve linear equations with unknowns on one side.	
			B4e. To identify coordinates on a given line using all 4 quadrants.	
	Medium Term Planning -			
		nit should be taught through cross-cui		
0 5	Year 5 Objectives AUTUMN	Year 5 Objectives SPRING	Year 5 Objectives SUMMER	
Cross Phases Elements	To explain logically their strategies and solutions using mathematical language and give reasons to justify			
	To provide real life contexts for mathematical learning e.g. real life problems, world of work, financial literacy and patterns in nature			
	To understand, investigate and apply the range of ways maths can be used to solve practical problems			
	To explore shape and measures through practical and visual resources, models and equipment including structured maths equipment			
	To experience real shape and measures through a range of indoor and outdoor experiences. To estimate using appropriate measures.			
Using and Applying	B2q. To solve problems using an extensive range of strategies and equipment, presenting information in a clear and organised way, and checking results.			
איייניאאיי	B2r. To explain their strategies and solutions using mathematical language and give reasons to justify.			
	DZI. 10 explain their strategies and sol	dions using mainematical language	and give reasons to justify.	

Understanding Shape		B2a. To identify and classify more complex 2D and 3D shapes, including quadrilaterals, by their properties.	
		B2b. To visualise geometric objects and to recognise and make 2D representations of 3D shapes and vice versa.	
		To construct nets of 3D shapes. B2c. To explore shape and pattern in nature, art and architecture and find out about its origins, and its use in different cultures, religions and architecture	
		B2e. To identify all lines of symmetry, including rotational symmetry, in shapes and patterns	
Position and Movement		B2f. To transform shapes through rotation, reflection, enlargement and translation in 4 quadrants	
			B2n. To extend positional language showing an understanding and awareness of horizontal, vertical, diagonal, parallel
Measure	B2g. To use a range of standard units to estimate and measure length, mass and capacity with appropriate accuracy.	B2g. To use a range of standard units to estimate and measure length, mass and capacity with appropriate accuracy.	
	B2h. To further extend understanding of scale to include a range of intervals, including decimals and fractions, with appropriate accuracy.	B2h. To further extend understanding of scale to include a range of intervals, including decimals and fractions, with appropriate accuracy.	
	B2i. To convert between units within the metric system.	B2i. To convert between units within the metric system.	
			B2j. To convert between metric and imperial units of measurement. To begin to solve problems involving the conversion of units, using a graph.
			B2k. To measure and calculate the area and the perimeter of regular and irregular shapes, including compound shape with understanding of the associated formulas
			B2I. To use a protractor to measure and draw angles in degrees, with increasing accuracy and classify angles.
		B2o. To develop and extend understanding of time to include concepts such as nano-seconds, light years, etc	B2m. To calculate missing angles in shapes and around a point.

	B2p. To tell the time using digital and analogue clocks and apply this knowledge to read and understand timetables and calendars.	B2p. To tell the time using digital and analogue clocks and apply this knowledge to read and understand timetables and calendars.			
	Medium Term Plar	nning — Handling Data	- Year 5		
	Where possible, the contents of this u	ınit should be taught through cross-cur	ricular opportunities.		
	Year 5 Objectives AUTUMN	Year 5 Objectives SPRING	Year 5 Objectives SUMMER		
Cross Phases Elements	To provide real life contexts for mather	To explain logically their strategies and solutions using mathematical language and give reasons to justify. To provide real life contexts for mathematical learning e.g.real life problems, world of work, financial literacy,			
	patterns in nature To understand, investigate and apply the range of ways maths can be used to solve practical problems				
			d equipment including structured maths		
	equipment.				
	To experience data handling through a				
Using and	To use digital technology to collect, sto B1q. To solve problems using an exter				
Applying	and organised way, and checking results. To explain their strategies and so	ılts			
		I			
Handling Data		B3a. To make appropriate prediction or hypotheses based on knowledge and experience.			
		B3c. To make decisions on what data to collect, how to collect it and how to record it using increasingly larger sets of real life data.			
		B3d. To understand and construct the full range of data representations (bar charts, tally charts, frequency tables and diagrams, infographic and pictograms) to include drawing and interpreting line graphs.			
		B3e. To decide on appropriate scales for a graph, choosing most appropriate interval.			
		To compare data in graphs with different scales.			
		B3f. To use observations, measurements or other data to interpret and draw conclusions and attempt to explain findings using mathematical language.			
			B3g. To understand, use and calculate mean, median, mode and ranges		
			B3h. To use data to assess likelihood and risk and develop an understanding of probability through computer simulations, games and consideration of outcomes of everyday situations.		
			To discuss, sort and order events according to their likelihood of occurring.		

occurring.

occurring.

B3h. To discuss, sort and order events according to their likelihood of

Medium Term Planning — Financial Literacy - Year 5				
	Where possible, the contents of this u		* *	
	Year 5 Objectives AUTUMN	Year 5 Objectives SPRING	Year 5 Objectives SUMMER	
Cross Phases Elements	Students have an entitlement to take part in an enterprise activity in a meaningful context in each phase of their education.			
	Students are aware of the achievements of successful (and unsuccessful) entrepreneurs locally, nationally and internationally.			
	Aware of a range of currencies and their relative values			
	To be made aware of the abstract and invisible nature of money and spending			
	Participate in a range of fundraising activities that benefit on a personal level, the community and internationally.			
Using and Applying	B1b. To use all four operations to solve problems involving money using decimal notation, including scaling within a range of financial contexts.			
Financial understanding and competence			B1e. To develop an understanding of the concepts of budgeting and costs, income, expenditure, savings, borrowing and repayments.	
			B1f. To understand the concepts of credit and debt in terms of positive & negative balances	
			B1g. To understand the role and functions of a bank including bank accounts.	
Financial Responsibility			B2a. To be equipped with the skills to think critically and debate political questions, to enable them to manage their money on a day-to-day basis, and plan for future financial needs.	
			B2b. To understand the functions and uses of money, the importance and practice of budgeting, and managing risk.	
			B2c. To be aware of debt and the impact it can have on their lives, their family.	
			B2d. To be aware of the impact on local businesses of buying online/from catalogues.	
Financial Enterprise		B3a. To develop the skills and qualities required to engage in enterprise, including seeing opportunity, managing risk, marketing, productivity, understanding the concept of quality, cash flow and profit		
		B3b. To understand how personal financial choices can affect oneself and others and about rights and responsibilities as consumers.		
Decision Making and Critical Thinking		B4a. To prepare, use and evaluate budgets and justify their decision		