

Strands Covered	Building Block	Y1 and Y2 Key Objectives
Number and Place Value	Counting, representing, comparing and ordering numbers; understanding tens and ones; using number lines and practical representations.	Count, read and write numbers to 100. Count forwards and backwards from any number. Identify one more and one less. Represent and compare numbers within 20. Begin to understand tens and ones. <u>Count in 2s, 5s and 10s.</u> <u>Read and write numbers to 100 in numerals and words.</u> <u>Recognise tens and ones.</u> <u>Partition two digit numbers.</u> <u>Compare and order numbers to 100.</u> <u>Use number lines and different representations.</u>
Shape	Recognising, naming, sorting and describing 2D and 3D shapes; patterns and symmetry.	Recognise and name common 2D and 3D shapes. Describe simple properties and sort shapes using criteria. Recognise simple repeating patterns. <u>Identify and describe common 2D and 3D shapes using mathematical vocabulary.</u> <u>Compare and sort shapes according to their properties.</u> <u>Recognise and describe patterns and lines of symmetry.</u>
Addition and Subtraction	Part-whole relationships, number bonds, addition and subtraction strategies, fact families and reasoning.	Represent and use number bonds within 10 and 20. Add and subtract one digit and two digit numbers to 20. Use practical resources, drawings and number lines. Solve simple one step problems. <u>Recall and use addition and subtraction facts to 20 fluently.</u> <u>Add and subtract two digit numbers using concrete and pictorial representations.</u> <u>Use related facts to 100.</u> <u>Solve one and two step problems.</u>
Mathematical Thinking and Reasoning	Explaining thinking, making connections, identifying patterns, spotting mistakes and solving problems.	Explain mathematical thinking using practical resources; pictures and simple sentences. <u>Explain and justify strategies using appropriate mathematical vocabulary.</u> <u>Identify patterns, make connections and solve problems in different ways.</u>

Autumn Term breakdown by week

Week	Class Objectives Yr1 & Yr2	Teaching Strategies
Week 1	Count objects reliably and recognise numbers to 20. Sort and represent quantities using practical resources. Begin to recognise numbers beyond 20 through counting. <u>Count, read and represent numbers to 100.</u> <u>Count forwards and backwards from different starting points.</u>	Use practical counting collections, manipulatives and sorting activities. Model one-to-one correspondence and accurate counting. Provide counting challenges. Encourage partner talk and mathematical vocabulary.
Week 2	Compare groups and numbers within 20 using language more, fewer, equal, greater and less. Begin to order numbers. <u>Compare and order numbers to 100 using greater than, less than and equal to.</u> <u>Use <, > and = accurately.</u>	Use concrete objects, towers and number lines to compare quantities. Encourage children to explain how they know. Use numbers and practical comparison games.
Week 3	Find one more and one less than a number within 20. Count forwards and backwards from a given number. <u>Find one more and one less than a number within 100.</u> <u>Use number lines to locate and identify missing numbers.</u>	Use floor and tabletop number lines, practical resources and movement activities. Model counting forwards and backwards. Use mini whiteboards, missing number challenges and quick fire questions to assess understanding.
Week 4	Develop understanding of numbers to 20 as tens and ones. Represent numbers using practical resources and begin to partition numbers. <u>Recognise the place value of each digit in a two digit number.</u> <u>Partition numbers into tens and ones and represent them in different ways.</u>	Use dienes, numicon, counters and place value charts. Build numbers practically before moving towards pictorial and abstract representations. Encourage children to explain the value of each digit.
Week 5	Apply counting, comparing, ordering and representing skills within 20. Solve simple practical number problems. <u>Apply place value knowledge to compare, order and represent numbers to 100.</u> <u>Solve reasoning and problem-solving tasks.</u>	Use open-ended investigations, number puzzles, true/false questions and practical challenges. Encourage children to find different ways to solve a problem. Use assessment to identify misconceptions and gaps.
Week 6	Understand that numbers can be partitioned into two or more parts. Begin to represent number bonds within 10. <u>Use part-whole models to represent numbers and understand the relationship between parts and the whole.</u>	Use counters, hoops, cubes, ten frames and part-whole models. Physically partition quantities and discuss how the parts make the whole. Encourage children to explain different ways of making a number.

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Week 7	Develop fluency with number bonds within 10 and begin to explore number bonds within 20. <u>Recall and use number bonds to 20 fluently and use these to derive related facts.</u>	Use ten frames, numicon, counters, songs, games and practical activities. Revisit number bonds regularly. Encourage children to identify patterns and connections between facts.
Week 8	Add numbers within 20 using objects, pictures, number lines and counting on. Begin to record simple addition number sentences. <u>Add two digit and one digit numbers using concrete and pictorial representations.</u> <u>Develop efficient addition strategies.</u>	Model addition using concrete, pictorial and abstract representations. Use number lines, part-whole models and practical problem solving. Encourage children to explain and compare different strategies.
Week 9	Subtract within 20 using practical resources, pictures and number lines. Understand subtraction as taking away and finding how many are left. <u>Subtract two digit and one digit numbers using appropriate representations and strategies.</u>	Use practical taking away activities before moving to number lines and pictorial representations. Explore both taking away and finding the difference. Use partner games and reasoning questions.
Week 10	Understand the relationship between addition and subtraction. Use part-whole models to complete simple fact families. <u>Use fact families and the inverse relationship between addition and subtraction to derive related facts up to 100.</u>	Use part-whole models, fact family triangles and practical resources. Use missing number problems and encourage children to identify in the inverse relationship. Link new facts to known number bonds.
Week 11	Solve simple one step addition and subtraction problems using practical resources, drawings and number lines. Explain how they found the answer. <u>Solve one and two step addition and subtraction problems.</u> <u>Choose an appropriate strategy and explain and justify their answer.</u>	Use real life contexts, maths stories and open ended problems. Include 'spot the mistake', prove it and multiple answer questions.
Week 12	Recognise, name and sort common 2D shapes. Describe simple properties such as sides and corners. <u>Identify and describe 2D shapes using mathematical vocabulary.</u> <u>Compare and sort shapes according to their properties, including number of sides and vertices.</u>	Use practical shape resources, shape hunts and sorting activities. Encourage children to describe properties using mathematical vocabulary. Use odd one out activities, shape riddles and construction challenges.
Week 13	Recognise and name common 3D shapes.	Use practical shape resources, construction

Curriculum

Week	Class Objectives Yr1 & Yr2	Teaching Strategies
	Sort and describe shapes using simple properties. Create and recognise repeating patterns using 2D and 3D shapes. <u>Identify and describe 3D shapes using faces, edges and vertices.</u> <u>Compare and sort shapes according to their properties.</u> <u>Recognise and describe repeating patterns and simple lines of symmetry.</u>	materials and outdoor shape hunts. Explore faces, edges and vertices through practical investigation. Create repeating patterns and explore symmetry through folding, mirrors and practical resources.
Vocabulary: number, numeral, count, forwards, backwards, more, fewer, equal, greater than, less than, compare, order, number line, one more, one less, tens, ones, digit, two digit number, partition, represent, estimate, add, addition, plus, altogether, total, subtract, subtraction, take away, difference, inverse, fact family, number bond, 2D shape, 3D shape, side, vertex, vertices, face, edge, symmetry, symmetrical, pattern, sort, describe, explain, prove, because.		