Sandridge School Maths Curriculum Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	**Number/counting to 5** Number rhymes; Develop fast recognition of up to 3 objects (subitising); Say one number for each item in order (12345); Show finger numbers up to 5; Link numerals and amounts up to 5; Recite numbers past 5; Compare quantities: more than/fewer than; Experiment with own symbols and marks as well as numerals. **Shape** Talk about and explore 2D (and 3D) shapes using informal and mathematical language; Select shapes appropriately for building/combine shapes to make new ones **Pattern** Talk about and identify patterns around them; Use informal language like pointy/spotty/blobs etc; Extend and create ABAB patterns/notice and correct error in repeating pattern	**Position** Understand position through words alone; Describe a familiar route; Discuss routes and locations using in front of/behind. **Pattern** Begin to describe a sequence of events, using words such as first , then… **Measure** Make comparisons between objects related to size/length; Weighing **Number** Recite numbers past 5; Experiment with own symbols and marks as well as numerals. **Shape** Shape rockets; 3D shapes	**Number** Recite numbers past 5; Link numerals and amounts up to 5; Subitise to 3 Say one number for each item in order; Show finger numbers up to 5; Link numerals and amounts up to 5; Compare quantities: more than/fewer than; Counting to 5 **Measure** Make comparisons between objects related to size/length; Weighing	**Number** Recite numbers past 5; Counting to 5; Number rhymes; Develop fast recognition of up to 3 objects (subitising); Link numerals and amounts up to 5; Compare quantities: more than/fewer than; Experiment with own symbols and marks as well as numerals; Say one number for each item in order; Show finger numbers up to 5. **Shape** Select shapes appropriately for building/combine shapes to make new ones; Talk about and explore 2D (and 3D) shapes using informal and mathematical language **Pattern** Extend and create ABAB patterns/notice and correct error in repeating pattern	**Measure** Begin to describe a sequence of events, using words such as first , then… **Shape** Select shapes appropriately for building/combine shapes to make new ones; Make comparisons between objects related to size/length (as appropriate link to growth) **Number** Counting to 5; Number rhymes; Say one number for each item in order; Show finger numbers up to 5; Number/counting to 5; Number rhymes; Develop fast recognition of up to 3 objects (subitising); Link numerals and amounts up to 5; Compare quantities: more than/fewer than **Pattern** Talk about and identify patterns around them; Extend and create ABAB patterns/notice and correct error in repeating pattern	**Number** Counting to 5; Number rhymes; Say one number for each item in order; Show finger numbers up to 5; Develop fast recognition of up to 3 objects (subitising); Recite numbers past 5; Link numerals and amounts up to 5; Compare quantities: more than/fewer than; Experiment with own symbols and marks as well as numerals **Position** Understand position through words alone; Describe a familiar route; Discuss routes and locations using in front of/behind. **Shape** Talk about and explore 2D (and 3D) shapes using informal and mathematical language
Reception	**Counting and cardinality** **2D shape and pattern** **Measures** Size/weight **Composition** (1 more/1 less) **Number rhymes** **Addition** **Problem solving** **Subtraction**	**Spatial Awareness/position** **Counting back** **Measures** **Order and sequence events** **Number counting** **Subtraction** **3D Shape** **Measures/size** Weight; Comparison more or less	**Number** Numerical patterns; Comparison; Counting; Subitising; Cardinality; Composition; Adding; Number bonds to 5; Subtraction facts **Patterns** **Doubling** **Measure** Comparison; Length; Comparisons; Weight; Sequencing events **Spatial awareness** (links to maps in Literacy) **Problem solving**	**Measures** **Number** I less than; Number bonds; Addition; Subtraction; How quantities can be distributed equally (sharing/ halving); Counting; Subitising; Composition; Number bonds to 5/10 **Patterns** Numerical patterns **Measure** Using money **Problem solving**	**Shape** Reasoning; Problem solving **Number** Subitising/counting; Number; Adding/Doubling; Greater than/less than; Bonds to 5/10 **Measures** Length	**Number** Number bonds to 5/10; Numerical patterns; Reasoning with number; Analysing and recording counting; Adding and subtraction facts; Subitising; Doubling using dice activities; Distributing quantities equally; Counting; 11-19 number composition; Pattern /counting system; Missing numbers; Number line activities; Odds/evens; Composition **Statistics** Block graph **Measures** Capacity **Shape**
Year 1	**Block A** Counting whole numbers and multiples; Read, write order and compare whole numbers; Identify, represent and estimate; rounding; Number bonds and partitioning; Multiply /divide mentally **Block B** Counting in multiples; read, write, order and compare numbers; number problems; Add / subtract mentally and written to solve problems; estimate, use inverses and check; Counting in multiples; Recognise, describe properties and classify shapes	**Block D** Add and subtract mentally and using written methods; add and subtract to solve problems; counting in multiples; solving problems; recognise, find, write, name and count fractions **Block E** Geometry, position and direction; measurement, compare, order, add and subtract and solve problems	**Block A** Counting whole numbers and multiples; Read, write order and compare whole numbers; Identify, represent and estimate; rounding; Number bonds and partitioning; Multiply /divide mentally **Block B** Counting in multiples; read, write, order and compare numbers; number problems; Add / subtract mentally and written to solve problems; estimate, use inverses and check; Counting in multiples; Recognise, describe properties and classify shapes	**Block D** Add and subtract mentally and using written methods; add and subtract to solve problems; counting in multiples; solving problems; recognise, find, write, name and count fractions **Block E** Geometry, position and direction; measurement, compare, order, add and subtract and solve problems	**Block A** Counting whole numbers and multiples; Read, write order and compare whole numbers; Identify, represent and estimate; rounding; Number bonds and partitioning; Multiply /divide mentally **Block B** Counting in multiples; read, write, order and compare numbers; number problems; Add / subtract mentally and written to solve problems; estimate, use inverses and check; Counting in multiples; Recognise, describe properties and classify shapes	**Block D** Add and subtract mentally and using written methods; add and subtract to solve problems; counting in multiples; solving problems; recognise, find, write, name and count fractions **Block E** Geometry, position and direction; measurement, compare, order, add and subtract and solve problems

	Block C Recognise, find write, name and count fractions; statistics; identify represent and estimate; measurement, lengths, heights, mass, capacity and volume; measurement, telling time, ordering time, duration and units of time; measurement money		**Block C** Recognise, find write, name and count fractions; statistics; identify represent and estimate; measurement, lengths, heights, mass, capacity and volume; measurement, telling time, ordering time, duration and units of time; measurement money		**Block C** Recognise, find write, name and count fractions; statistics; identify represent and estimate; measurement, lengths, heights, mass, capacity and volume; measurement, telling time, ordering time, duration and units of time; measurement money	
Year 2	**Block A** Counting whole numbers and multiples; Read, write order and compare whole numbers; place value with whole numbers; identify represent and estimate; number bonds and partitioning; multiply and divide mentally; number problems **Block B** Counting in multiples; add, subtract mentally and written solve problems using inverse to check; multiply, divide mentally and solve problems; recognise and describe properties of shapes, classify and draw shapes **Block C** Recognise, find write, name and count fractions; statistics; identify represent and estimate numbers; measurement; measurement telling time; measurement money	**Block D** add and subtract mentally and using written methods; add and subtract to solve problems; multiply and divide mentally and using written methods; solve problems using all 4 operations; estimate and use inverse to check; recognise, find, write, name and count fractions **Block E** Geometry, position and direction; measurement, compare, order, add and subtract and solve problems	**Block A** Counting whole numbers and multiples; Read, write order and compare whole numbers; place value with whole numbers; identify represent and estimate; number bonds and partitioning; multiply and divide mentally; number problems **Block B** Counting in multiples; add, subtract mentally and written solve problems using inverse to check; multiply, divide mentally and solve problems; recognise and describe properties of shapes, classify and draw shapes **Block C** Recognise, find write, name and count fractions; statistics; identify represent and estimate numbers; measurement; measurement telling time; measurement money	**Block D** add and subtract mentally and using written methods; add and subtract to solve problems; multiply and divide mentally and using written methods; solve problems using all 4 operations; estimate and use inverse to check; recognise, find, write, name and count fractions **Block E** Geometry, position and direction; measurement, compare, order, add and subtract and solve problems	**Block A** Counting whole numbers and multiples; Read, write order and compare whole numbers; place value with whole numbers; identify represent and estimate; number bonds and partitioning; multiply and divide mentally; number problems **Block B** Counting in multiples; add, subtract mentally and written solve problems using inverse to check; multiply, divide mentally and solve problems; recognise and describe properties of shapes, classify and draw shapes **Block C** Recognise, find write, name and count fractions; statistics; identify represent and estimate numbers; measurement; measurement telling time; measurement money	**Block D** add and subtract mentally and using written methods; add and subtract to solve problems; multiply and divide mentally and using written methods; solve problems using all 4 operations; estimate and use inverse to check; recognise, find, write, name and count fractions **Block E** Geometry, position and direction; measurement, compare, order, add and subtract and solve problems
Year 3	Solve number problems and practical problems- this will be done in all lessons. **Block A** Counting (whole numbers and in multiples); Read, write, order and compare (whole numbers); Place value (whole numbers); Identify, represent and estimate; rounding; Multiply / divide mentally; Number problems **Block B** Counting (in multiples); read, write, order and compare numbers; number problems; Add / subtract (mentally and written) to solve problems; Estimate, use inverses and check; order of operations; Multiply / divide (mentally up to yr3); solve problems (commutative, associative, distributive and all four operations) and order of operations; Recognise, describe properties and classify shapes; draw and make shapes and relate 2D to 3D shapes; Angles: measuring and properties **Block C** Recognise, find, write, name and count fractions; Comparing and ordering (Fractions) leading to equivalence (Fractions); Statistics; Identify, represent and estimate; rounding; Measurement; Measurement: telling the time, ordering time, duration and units of time; Measurement – money	**Block D** Add / subtract mentally and using written methods; Add / subtract to solve problems; Multiply / divide mentally and using written methods; Solve problems (commutative, associative, distributive and all four operations); Estimate, use inverses and check; Recognise, find, write, name and count fractions; Add / subtract fractions; Solve problems with fractions and decimals **Block E** Geometry - position and direction; Measurement: compare, describe and order measures, time, money, solve Problems; add /subtract to solve problems; Perimeter	Solve number problems and practical problems- this will be done in all lessons. **Block A** Counting (whole numbers and in multiples); Read, write, order and compare (whole numbers); Place value (whole numbers); Identify, represent and estimate; rounding; Multiply / divide mentally; Number problems **Block B** Counting (in multiples); read, write, order and compare numbers; number problems; Add / subtract (mentally and written) to solve problems; Estimate, use inverses and check; order of operations; Multiply / divide (mentally up to yr3); solve problems (commutative, associative, distributive and all four operations) and order of operations; Recognise, describe properties and classify shapes; draw and make shapes and relate 2D to 3D shapes; Angles: measuring and properties **Block C** Recognise, find, write, name and count fractions; Comparing and ordering (Fractions) leading to equivalence (Fractions); Statistics; Identify, represent and estimate; rounding; Measurement; Measurement: telling the time, ordering time, duration and units of time; Measurement – money	**Block D** Add / subtract mentally and using written methods; Add / subtract to solve problems; Multiply / divide mentally and using written methods; Solve problems (commutative, associative, distributive and all four operations); Estimate, use inverses and check; Recognise, find, write, name and count fractions; Add / subtract fractions; Solve problems with fractions and decimals **Block E** Geometry - position and direction; Measurement: compare, describe and order measures, time, money, solve Problems; add /subtract to solve problems; Perimeter	Solve number problems and practical problems- this will be done in all lessons. **Block A** Counting (whole numbers and in multiples); Read, write, order and compare (whole numbers); Place value (whole numbers); Identify, represent and estimate; rounding; Multiply / divide mentally; Number problems **Block B** Counting (in multiples); read, write, order and compare numbers; number problems; Add / subtract (mentally and written) to solve problems; Estimate, use inverses and check; order of operations; Multiply / divide (mentally up to yr3); solve problems (commutative, associative, distributive and all four operations) and order of operations; Recognise, describe properties and classify shapes; draw and make shapes and relate 2D to 3D shapes; Angles: measuring and properties **Block C** Recognise, find, write, name and count fractions; Comparing and ordering (Fractions) leading to equivalence (Fractions); Statistics; Identify, represent and estimate; rounding; Measurement; Measurement: telling the time, ordering time, duration and units of time; Measurement – money	**Block D** Add / subtract mentally and using written methods; Add / subtract to solve problems; Multiply / divide mentally and using written methods; Solve problems (commutative, associative, distributive and all four operations); Estimate, use inverses and check; Recognise, find, write, name and count fractions; Add / subtract fractions; Solve problems with fractions and decimals **Block E** Geometry - position and direction; Measurement: compare, describe and order measures, time, money, solve Problems; add /subtract to solve problems; Perimeter

Year 4	**Block A** Counting' whole numbers and in multiples; negative numbers; fractions; Read, write, order and compare; whole numbers and fractions; Place value, whole numbers and fractions; Identify, represent and estimate; rounding; Multiply / divide mentally; Number problems **Block B** Counting, in multiples; number problems; Add / subtract mentally and written to solve problems, estimate, use inverses and check, order of operations; Multiply / divide, solve problems (commutative, associative, distributive and all four operations) and order of operations; Recognise, describe properties and classify shapes; draw and make shapes and relate 2D to 3D shapes; Angles: measuring and properties **Block C** Recognise, find, write, name and count fractions; Comparing and ordering (fractions, decimals) leading to equivalence (fractions, fractions / decimals); rounding decimals; Statistics; Identify, represent and estimate; rounding; Measurement; Measurement: telling the time, ordering time, duration and units of time; Measurement, money	**Block D** Add and subtract using written methods; Add and subtract to solve problems; Multiply and divide mentally and using written methods; Solving problems (commutative, associative, distributive and all four operations); Estimate, use inverses and check; Add and subtract fractions; Solve problems with fractions and decimals **Block E** Geometry - position and direction; Measurement: time, solve Problems; add / subtract to solve problems; Perimeter, area	**Block A** Counting' whole numbers and in multiples; negative numbers; fractions; Read, write, order and compare; whole numbers and fractions; Place value, whole numbers and fractions; Identify, represent and estimate; rounding; Multiply / divide mentally; Number problems **Block B** Counting, in multiples; number problems; Add / subtract mentally and written to solve problems, estimate, use inverses and check, order of operations; Multiply / divide, solve problems (commutative, associative, distributive and all four operations) and order of operations; Recognise, describe properties and classify shapes; draw and make shapes and relate 2D to 3D shapes; Angles: measuring and properties **Block C** Recognise, find, write, name and count fractions; Comparing and ordering (fractions, decimals) leading to equivalence (fractions, fractions / decimals); rounding decimals; Statistics; Identify, represent and estimate; rounding; Measurement; Measurement: telling the time, ordering time, duration and units of time; Measurement, money	**Block D** Add and subtract using written methods; Add and subtract to solve problems; Multiply and divide mentally and using written methods; Solving problems (commutative, associative, distributive and all four operations); Estimate, use inverses and check; Add and subtract fractions; Solve problems with fractions and decimals **Block E** Geometry - position and direction; Measurement: time, solve Problems; add / subtract to solve problems; Perimeter, area	**Block A** Counting' whole numbers and in multiples; negative numbers; fractions; Read, write, order and compare; whole numbers and fractions; Place value, whole numbers and fractions; Identify, represent and estimate; rounding; Multiply / divide mentally; Number problems **Block B** Counting, in multiples; number problems; Add / subtract mentally and written to solve problems, estimate, use inverses and check, order of operations; Multiply / divide, solve problems (commutative, associative, distributive and all four operations) and order of operations; Recognise, describe properties and classify shapes; draw and make shapes and relate 2D to 3D shapes; Angles: measuring and properties **Block C** Recognise, find, write, name and count fractions; Comparing and ordering (fractions, decimals) leading to equivalence (fractions, fractions / decimals); rounding decimals; Statistics; Identify, represent and estimate; rounding; Measurement; Measurement: telling the time, ordering time, duration and units of time; Measurement, money	**Block D** Add and subtract using written methods; Add and subtract to solve problems; Multiply and divide mentally and using written methods; Solving problems (commutative, associative, distributive and all four operations); Estimate, use inverses and check; Add and subtract fractions; Solve problems with fractions and decimals **Block E** Geometry - position and direction; Measurement: time, solve Problems; add / subtract to solve problems; Perimeter, area
Year 5	**Block A** Counting including negative numbers; read, write, order and compare numbers; place value; Roman numerals; Identify, represent and estimate; rounding; properties of number: solve problems (all four operations); multiply / divide mentally **Block B** Number problems involving multiples; add / subtract (mentally and written); order of operations (BODMAS); multiply / divide solving problems (commutative, associative, distributive and all four operations); fraction decimal percentage equivalence; recognise, describe and classify 2D and 3D shapes; draw and make shapes and relate 2D to 3D shapes; angles: measuring and properties **Block C** Comparing and ordering fractions and decimals; equivalent fractions; rounding decimals; solving problems; statistics; identify, represent and estimate; rounding; measurement; measurement - telling the time, ordering time, duration and units of time	**Block D** methods; add / subtract to solve problems Multiply/ divide using written methods; solving problems (commutative, associative, distributive and all four operations); estimate, use inverses and check; add / subtract fractions; multiply / divide fractions; solve problems with fractions and decimals; fractions /decimals /percentage equivalence; solve problems with percentages **Block E** Geometry - position and direction; measurement: time, money, convert; add / subtract to solve problems; perimeter, area and volume	**Block A** Counting including negative numbers; read, write, order and compare numbers; place value; Roman numerals; Identify, represent and estimate; rounding; properties of number: solve problems (all four operations); multiply / divide mentally **Block B** Number problems involving multiples; add / subtract (mentally and written); order of operations (BODMAS); multiply / divide solving problems (commutative, associative, distributive and all four operations); fraction decimal percentage equivalence; recognise, describe and classify 2D and 3D shapes; draw and make shapes and relate 2D to 3D shapes; angles: measuring and properties **Block C** Comparing and ordering fractions and decimals; equivalent fractions; rounding decimals; solving problems; statistics; identify, represent and estimate; rounding; measurement; measurement - telling the time, ordering time, duration and units of time	**Block D** methods; add / subtract to solve problems Multiply/ divide using written methods; solving problems (commutative, associative, distributive and all four operations); estimate, use inverses and check; add / subtract fractions; multiply / divide fractions; solve problems with fractions and decimals; fractions /decimals /percentage equivalence; solve problems with percentages **Block E** Geometry - position and direction; measurement: time, money, convert; add / subtract to solve problems; perimeter, area and volume	**Block A** Counting including negative numbers; read, write, order and compare numbers; place value; Roman numerals; Identify, represent and estimate; rounding; properties of number: solve problems (all four operations); multiply / divide mentally **Block B** Number problems involving multiples; add / subtract (mentally and written); order of operations (BODMAS); multiply / divide solving problems (commutative, associative, distributive and all four operations); fraction decimal percentage equivalence; recognise, describe and classify 2D and 3D shapes; draw and make shapes and relate 2D to 3D shapes; angles: measuring and properties **Block C** Comparing and ordering fractions and decimals; equivalent fractions; rounding decimals; solving problems; statistics; identify, represent and estimate; rounding; measurement; measurement - telling the time, ordering time, duration and units of time	**Block D** methods; add / subtract to solve problems Multiply/ divide using written methods; solving problems (commutative, associative, distributive and all four operations); estimate, use inverses and check; add / subtract fractions; multiply / divide fractions; solve problems with fractions and decimals; fractions /decimals /percentage equivalence; solve problems with percentages **Block E** Geometry - position and direction; measurement: time, money, convert; add / subtract to solve problems; perimeter, area and volume
Year 6	**Block A** Negative numbers; Read, write, order and compare numbers; Place value; Identify, represent and estimate; Rounding; Properties of number solve problems (all four operations)**;** Number	**Block D** Solve problems involving addition and subtraction; Written methods for multiplication and division; Estimate, inverse operations; Add and subtract fractions; Multiply and divide	**Block B** Number problems; Add / subtract to solve problems; estimate, use inverses and check; order of operations; Multiply/divide; solve problems; BODMAS; Fractions, decimals	**Block E** Geometry position and direction; Coordinates; Perimeter and area; volume; ratio and proportion; circles; volume	**Revision, SATs** **Block B** Number problems; Add / subtract to solve problems; estimate, use inverses and check; order of	**Block C** Comparing and ordering fractions; Equivalent fractions; Algebra; Statistics; Measurement; **Block D** Solve problems involving addition and subtraction; Written

problems; Multiply / divide mentally; Number problems **Block B** Number problems; Add / subtract to solve problems; estimate, use inverses and check; order of operations; Multiply/divide; solve problems; BODMAS; Fractions, decimals and percentages; Missing number algebra; Angles **Block C** Comparing and ordering fractions; Algebra; Statistics; Measurement;	fractions; Fractions, decimals and percentages; Algebra; Ratio and proportion **Block E** Geometry position and direction; Coordinates; Perimeter and area; volume; ratio and proportion **Block A** Negative numbers; Read, write, order and compare numbers; Place value; Identify, represent and estimate; Rounding; Properties of number solve problems (all four operations)**;** Number problems	and percentages; Missing number algebra; Angles; recognise and describe shape; draw and make shapes linked to 2D and 3D shapes **Block C** Comparing and ordering fractions; Equivalent fractions; Algebra; Statistics; Measurement; **Block D** Solve problems involving addition and subtraction; Written methods for multiplication and division; Estimate, invers operations; Add and subtract fractions; Multiply and divide fractions; Fractions, decimals and percentages; Algebra; Ratio and proportion	**Block A** Negative numbers; Read, write, order and compare numbers; Place value; Identify, represent and estimate; Rounding; Properties of number solve problems (all four operations)**;** Number problems **Targeted planning for the needs of the class.**	operations; Multiply/divide; solve problems; BODMAS; Fractions, decimals and percentages; Missing number algebra; Angles	methods for multiplication and division; Estimate, invers operations; Add and subtract fractions; Multiply and divide fractions; Fractions, decimals and percentages; Algebra; Ratio and proportion **Block E** Geometry position and direction; Coordinates; Perimeter and area; volume; ratio and proportion; circles; volume