North Park Primary School **Maths Year 2 Medium Term Planning**

	Autumn	Spring	Summer
White Rose Small Steps	**Number: Place Value** • Numbers to 20 • Count objects to 100 by making 10s • Recognise tens and ones • Use a place value chart • Partition numbers to 100 • Write numbers to 100 in words • Flexibly partition numbers to 100 • Write numbers to 100 in expanded form • 10s on the number line to 100 • 10 and 1s on the number line to 100 • Estimate numbers on a number line • Compare objects • Order objects and numbers • Count in 2s, 5s and 10s • Count in 3s	**Measurement: Money** • Count money –pence. • Count money –pounds (notes and coins). • Count money –notes and coins. • Select money. • Make the same amount. • Compare money. • Find the total. • Find the difference. • Find change. • Two-step problems.	**Number: Fractions** • Make equal parts. • Recognise half. • Find half. • Recognise a quarter. • Find a quarter. • Recognise a third. • Find a third. • Unit fractions. • Non-unit fractions. • Equivalence of 1/2. and 2/4. • Find three quarters. • Count in fractions**.**
National Curriculum Links	**Number: Place Value** • Read and write numbers to at least 100 in numerals and in words. • Recognise the place value of each digit in a two-digit number (tens, ones) • Identify, represent and estimate numbers using different representations including the ○ number line. • Compare and order numbers from 0 up to 100; use <, > and = signs. • Use place value and number facts to solve problems. • Count in steps of 2, 3 and 5 from 0, and in tens from any number	**Measurement: Money** • Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value. • Find different combinations of coins that equal the same amounts of money. • Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.	**Number: Fractions** • Recognise, find, name and write fractions 1/3, 1/4, 2/4 and ¾ of a length, shape, set of objects or quantity. • Write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/ 4and 1/2.

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White Rose Small Steps	**Number: Addition and Subtraction** • Bonds to 10 • Fact families- addition and subtraction bonds within 20 • Related facts • Bonds to 100 (tens) • Add and subtract 1s • Add by making 10 • Add three 1-digit numbers • Add to the next 10 • Add across a 10 • Subtract across 10 • Subtract from a 10 • Subtract a 1-digit number from a 2-digit number (across a 10) • 10 more, 10 less • Add and subtract 10s • Add two 2-digit numbers (not across a 10) • Add two 2-digit numbers (across a 10)	**Number: Multiplication and Division** • Recognise equal groups. • Make equal groups. • Add equal groups. • Multiplication sentences using the x symbol. • Multiplication sentences from pictures. • Use arrays. • 2 times-table. • 5 times-table. • 10 times-table.	**Measurement: Time** • O'clock and half past. • Quarter past and quarter to. • Telling time to 5 minutes. • Minutes in an hour, hours in a day. • Find durations of time. • Compare durations of time.
National Curriculum Links	**Number: Addition and Subtraction** • Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100. • Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. • Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. • Solve problems with addition and subtraction: using concrete objects	**Number: Multiplication and Division** • Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers. • Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign. • Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.	**Measurement: Time** • Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times. • Know the number of minutes in an hour and the number of hours in a day. • Compare and sequence intervals of time.

	and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. • Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	• Show that the multiplication of two numbers can be done in any order (commutative) and	
White Rose Small Steps	**Geometry: Shape** • Recognise 2D and 3D shapes • Count sides on 2D shapes • Count vertices on 2D shapes • Draw 2D shapes • Lines of symmetry on shapes • Use lines of symmetry to complete shapes • Sort 2D shapes • Count faces on 3D shapes • Count edges on 3D shapes • Count vertices on 3D shapes • Sort 3D shapes • Make patterns with 2D and 3D shapes.	**Measurement: Length and Height** • Measure length (cm). • Measure length (m). • Compare lengths. • Order lengths. • Four operations with lengths.	**Statistics** • Make tally charts. • Draw pictograms (1-1). • Interpret pictograms (1-1). • Draw pictograms (2, 5 and 10). • Interpret pictograms (2, 5 and 10). • Block diagrams.

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National Curriculum Links	**Geometry: Shape** • Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line • Compare and sort common 2-D and 3-D shapes and everyday objects • Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces • Identify 2-D shapes on the surface of 3-D shapes	**Measurement: Length and Height** • Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels. • Compare and order lengths, mass, volume/capacity and record the results using>, < and =.	**Statistics** • Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. • Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. • Ask and answer questions about totalling and comparing categorical data.
White Rose Small Steps		**Measurement: Mass, Capacity and Temperature** • Compare mass. • Measure mass in grams. • Measure mass in kilograms. • Compare capacity. • Millilitres • Litres. • Temperature.	**Geometry: Position and Direction** • Describing movement. • Describing turns. • Describing movement and turns. • Making patterns with shapes.
National Curriculum Links		**Measurement: Mass, Capacity and Temperature** • Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels.	**Geometry: Position and Direction** • Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise). • Order and arrange combinations of mathematical objects in

		• Compare and order lengths, mass, volume/capacity and record the results using >, < and =.	patterns and sequences.