

Marton Manor
Maths Medium-Term Plan & Small Steps: Year 2
Autumn Term



	Place Value 4 weeks	Addition & Subtraction 4 weeks	Statistics 2 weeks	Properties of Shape 2 weeks
National Curriculum	<ul style="list-style-type: none"> Read and write numbers to at least 100 in numerals and in words Read and write numbers to at least 100 in numerals and in words Identify, represent and estimate numbers using different representations, including the number line Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward Recognise the place value of each digit in a 2-digit number (tens, ones) Compare and order numbers from 0 up to 100; use and = signs 	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> a 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers adding three 1-digit number Compare and order numbers from 0 up to 100; use and = signs 	<ul style="list-style-type: none"> 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 Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers 	<ul style="list-style-type: none"> 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
Small Steps	Step 1 Numbers to 20 Step 2 Count objects to 100 by making 10s Step 3 Recognise tens and ones Step 4 Use a place value chart Step 5 Partition numbers to 100 Step 6 Write numbers to 100 in words PS Lesson Assessment 7: Pause & Stretch Step 7 Flexibly partition numbers to 100 Step 8 Write numbers to 100 in expanded form Step 9 10s on the number line to 100 Step 10 10s and 1s on the number line to 100 PS Lesson Assessment 3: Pause & Stretch Step 11 Estimate numbers on a number line Step 12 Compare objects Step 13 Compare numbers Step 14 Order objects and numbers Step 15 Count in 2s, 5s and 10s Step 16 Count in 3s PS Lesson Assessment 1: Pause & Stretch	Step 1 Bonds to 10 Step 2 Fact families - addition and subtraction bonds within 20 Step 3 Related facts Step 4 Bonds to 100 (tens) Step 5 Add and subtract 1s Step 6 Add by making 10 Step 7 Add three 1-digit numbers Step 8 Add to the next 10 Step 9 Add across a 10 Step 10 Subtract across 10 Step 11 Subtract from a 10 Step 12 Subtract a 1-digit number from a 2-digit number (across a 10) Step 13 10 more, 10 less Step 14 Add and subtract 10s Step 15 Add two 2-digit numbers (not across a 10) Step 16 Add two 2-digit numbers (across a 10) Step 17 Subtract two 2-digit numbers (not across a 10) Step 18 Subtract two 2-digit numbers (across a 10) Step 19 Mixed addition and subtraction Step 20 Compare number sentences Step 21 Missing number problems PS Lesson Assessment 8: Pause & Stretch	Step 1 Make tally charts Step 2 Tables Step 3 Block diagrams Step 4 Draw pictograms (1-1) Step 5 Interpret pictograms (1-1) Step 6 Draw pictograms (2, 5 and 10) Step 7 Interpret pictograms (2, 5 and 10) PS Lesson Assessment 25: Pause & Stretch	Step 1 Recognise 2-D and 3-D shapes Step 2 Count sides on 2-D shapes Step 3 Count vertices on 2-D shapes Step 4 Draw 2-D shapes Step 5 Lines of symmetry on shapes Step 6 Use lines of symmetry to complete shapes Step 7 Sort 2-D shapes Step 8 Count faces on 3-D shapes Step 9 Count edges on 3-D shapes Step 10 Count vertices on 3-D shapes Step 11 Sort 3-D shapes Step 12 Make patterns with 2-D and 3-D shapes PS Lesson Assessment 22: Pause & Stretch
Enrichment	Block Opener/Assembly on Careers linked to unit	Block Opener/Assembly on Careers linked to unit	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (16-20.10.23) World Statistics Day (20.10.23) WR Barvember (November)	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (11-15.12.23) Lingfield Education Trust TTRS Competition

Marlon Manor
Maths Medium-Term Plan Small Steps: Year 2
 Spring Term



	Multiplication & Division	Fractions	Time
	4 weeks	4 weeks	4 weeks
National Curriculum	<ul style="list-style-type: none"> Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers 	<ul style="list-style-type: none"> Recognise, find, name and write fractions $1/3$, $1/4$, $2/4$ and $3/4$ of a length, shape, set of objects or quantity Write simple fractions, for example $1/2$ of $6 = 3$ and recognise the equivalence of $2/4$ and $1/2$ 	<ul style="list-style-type: none"> Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clockface to show these times Know the number of minutes in an hour and the number of hours in a day
Small Steps	Step 1 Recognise equal groups Step 2 Make equal groups Step 3 Add equal groups Step 4 Introduce the multiplication symbol Step 5 Multiplication sentences Step 6 Use arrays Step 7 Make equal groups – grouping Step 8 Make equal groups – sharing PS Lesson Assessment 11: Pause & Stretch Step 9 The 2 times-table Step 10 Divide by 2 Step 11 Doubling and halving Step 12 Odd and even numbers Step 13 The 10 times-table Step 14 Divide by 10 Step 15 The 5 times-table Step 16 Divide by 5 Step 17 The 5 and 10 times-tables PS Lesson Assessment 5 & 6: Pause & Stretch	Step 1 Introduction to parts and whole Step 2 Equal and unequal parts Step 3 Recognise a half Step 4 Find a half Step 5 Recognise a quarter Step 6 Find a quarter Step 7 Recognise a third Step 8 Find a third Step 9 Find the whole Step 10 Unit fractions Step 11 Non-unit fractions Step 12 Recognise the equivalence of a half and two-quarters PS Lesson Assessment 14: Pause & Stretch Step 13 Recognise three-quarters Step 14 Find three-quarters Step 15 Count in fractions up to a whole PS Lesson Assessment 2: Pause & Stretch	Step 1 O'clock and half past Step 2 Quarter past and quarter to Step 3 Tell the time past the hour Step 4 Tell the time to the hour Step 5 Tell the time to 5 minutes PS Lesson Assessment 20: Pause & Stretch Step 6 Minutes in an hour Step 7 Hours in a day PS Lesson Assessment 21: Pause & Stretch
Enrichment	Block Opener/Assembly on Careers linked to unit International Puzzle Day (29.01.24)	Block Opener/Assembly on Careers linked to unit NSPCC Number Day (02.02.24) Lingfield Education Trust TTRS Competition (05-09.02.24)	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (11-15.03.24) World Maths Day (23.03.24)

Marton Manor
Maths Medium-Term Plan Small Steps: Year 2
 Summer Term



	Measurement (Money)	Position & Direction	Measurement (length & height)	Measurement (mass, capacity & temp)	NPVC Bridge
	2 weeks	2 weeks	2 weeks	3 weeks	2 weeks
National Curriculum	<ul style="list-style-type: none"> Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change 	<ul style="list-style-type: none"> 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 anticlockwise) 	<ul style="list-style-type: none"> 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 = Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts 	<ul style="list-style-type: none"> 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 = 	<ul style="list-style-type: none"> Use this time to revisit place value and all four operations ready for next year group
Small Steps	Step 1 Count money – pence Step 2 Count money – pounds (notes and coins) Step 3 Count money – pounds and pence Step 4 Choose notes and coins Step 5 Make the same amount Step 6 Compare amounts of money Step 7 Calculate with money Step 8 Make a pound Step 9 Find change Step 10 Two-step problems PS Lesson Assessment 17: Pause & Stretch	Step 1 Language of position Step 2 Describe movement Step 3 Describe turns Step 4 Describe movement and turns PS Lesson Assessment 24: Pause & Stretch Step 5 Shape patterns with turns PS Lesson Assessment 23: Pause & Stretch	1. Measure in cm 2. Measure in m 3. Compare lengths and heights 4. Order lengths and heights 5. Calculate with lengths and heights 6. PS Lesson 7. Assessment 18: Pause & Stretch	<ul style="list-style-type: none"> Compare mass measure in grams Measure in kg Calculate mass Compare capacity measure in millilitres Measure in litres Calculate capacity Interpret temperature scales PS Lesson Assessment 19: Pause & Stretch 	
Enrichment	Block Opener/Assembly on Careers linked to unit	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust TTRS Competition (20-24.05.24) National Numeracy Day (15.05.24) Women in Maths Day (12.05.24) My Money Week (12-16/6/24) Allow you pupils practice on the maths orienteering course this term ready for the competition next term.	Block Opener/Assembly on Careers linked to unit Alan Turing Day (23.06.24) MP Maths Orienteering Competition for all year groups (01-05.07.24) Lingfield Education Trust TTRS Competition (01-05.07.24)	Block Opener/Assembly on Careers linked to unit Lingfield Education Trust maths Challenge (12.07.24)	LET Summer Problems & Puzzles