Lingfield Education Trust
Maths Medium-Term Plan: Year 2
Autumn Term

	Place Value	Addition & Subtraction	Assessment	Position & Direction	Statistics
	3 weeks	8 weeks	1 week	1 week	2 weeks
National Curriculum	• 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	• 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 2-digit number and 1s, a 2-digit number and 10s, two 2-digit numbers adding three 1-digit numbers • Compare and order numbers from 0 up to 100; use and = signs	• Monday: arithmetic paper • Tuesday: reasoning paper • Wednesday: fluency checks • Thursday: unpick arithmetic paper • Friday: unpick reasoning paper	• 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)	• 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
Small Steps	• Count objects to 100 by making 10s • Recognise tens and ones • Representation Introduction Lesson: place value chart • Partition numbers to 100 • Write numbers to 100 in words • PS Lesson: tens and Ones (visual) • 10s on the number line to 100 • 10s and 1s on the number line to 100 • Estimate numbers on a number line • Compare objects & numbers • order objects & numbers • PS Lesson: compare and order (real-life word) • Assessment • Pause & Stretch • PS Skills Lesson: trial & improvement	• Addition bridging 10 – make 10 and then (adding with 9) • Addition bridging 10 – make 10 and then (adding with 8) • Addition bridging 10 – make 10 and then (adding with 7) • Addition bridging 10 – make 10 and then (adding with 6) • Addition bridging 10 – make 10 and then (mixed) • Addition bridging 10 – near doubles • Adding three addends including commutativity • Subtract bridge 10 using addition facts • Subtract bridge 10 using addition facts • Subtract bridge 10 – get back to ten and then (subtracting with 9) • Subtract bridge 10 – get back to ten and then (subtracting with 8) • Subtract bridge 10 – get back to ten and then (subtracting with 7) • Subtract bridge 10 – get back to ten and then (subtracting with 6) • Subtract bridge 10 – get back to ten and then (mixed) • Calculate the difference across 10 • Calculate how much more across 10 • PS Lesson: calculations with 20 (bridge 10) (real-life word) • Assessment (fact fluency calculation) • Pause & Stretch • Manipulative Introduction Lesson: Base 10 • Concrete phase of calculation policy no regrouping • Pictorial phase of calculation policy no regrouping • Abstract phase of calculation policy no regrouping • Concrete phase of calculation policy with regrouping • Pictorial phase of calculation policy with regrouping • Abstract phase of calculation policy with regrouping • Abstract phase of calculation policy with regrouping (further practice) • PS Lesson: TO + TO (real-life word) • Concrete phase of calculation policy no regrouping • Pictorial phase of calculation policy no regrouping • Abstract phase of calculation policy no regrouping • Concrete phase of calculation policy with regrouping • Pictorial phase of calculation policy with regrouping • Abstract phase of calculation policy with regrouping • Abstract phase of calculation policy with regrouping (further practice) • PS Lesson: TO – TO (real-life word) • Assessment (written calculation) • Pause & Stretch • PS Skills Lesson: working systematically		• Language of position • Describe movement • Describe turns • PS lesson: patterns (logic) • Assessment, Pause & Stretch	• Make tally charts • tables • Block diagrams • PS Lesson: block Diagrams (visual) • Interpret pictograms 1-2-1 • Draw pictograms 1-2-1 • Interpret pictograms 2, 10, 5 • Draw pictograms 2, 10, 5 • PS Lesson: pictograms (working backwards) • Assessment, Pause & Stretch

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Maths Medium-Term Plan: Year 2
Spring Term

	Multiplication & Division	Fractions	Time	Assessment	Money
	4 weeks	4 weeks	2 weeks	1 week	2 weeks
National Curriculum	• Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) 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	• 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	• 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	• Monday: arithmetic paper • Tuesday: reasoning paper • Wednesday: fluency checks • Thursday: unpick arithmetic paper • Friday: unpick reasoning paper	• 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
Small Steps	• Recognize equal groups and make equal groups • Add equal groups • Calculation Policy concrete – multiplication & record as number sentences • Calculation Policy pictorial – multiplication & record as number sentences • PS Lesson: multiplication (rules and patterns) • Make equal groups – sharing and record as number sentences • Make equal groups – grouping and record as number sentences • PS Lesson: division (real-life word) • X2 table • Divide by 2 • Doubling and halving • Odd and even • X10 table • Divide by 10 • X5 table • Divide by 5 • Assessment • Pause & Stretch • PS Skills Lesson: working collaboratively	• Parts and wholes • Equal and unequal parts • Recognize a half • Find a half • PS Lesson: halves (visual) • Recognize a quarter • Find a quarter • PS Lesson: quarters (real-life word) • Recognize a third • Find a third • PS Lesson: thirds (visual) • Find the whole • Unit fractions • Non-unit fractions • Recognize ½ and ¼ equivalence – teacher assess (14) • Recognize and find 3/4 • Assessment • Pause & Stretch	• O'clock • Half past • Quarter past • Quarter to • Tell the time to 5 minutes past • Tell the time to 5 minutes to • Minutes in an hour • Hours in a day • PS Lesson: time (real-life word) • Assessment, Pause & Stretch		• Count pence • Count money – pounds and pence • Make the same amount • PS Lesson: same amounts (more than one possibility) • Compare amounts • Make a pound • Find change • PS Lesson: one-step money problems (real-life) • Assessment, Pause & Stretch • PS Skills Lesson: finding starting points

Lingfield Education Trust
Maths Medium-Term Plan: Year 2
Summer Term

Properties of Shape	Measurement (length & height)	Measurement (mass, capacity & temp)	Assessment	Summer Springboard
3 weeks	2 weeks	2 weeks	1 week	3 weeks

National Curriculum

Properties of Shape	Measurement (length & height)	Measurement (mass, capacity & temp)	Assessment	Summer Springboard
• 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	• 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	• 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 =	• Monday: arithmetic paper • Tuesday: reasoning paper • Wednesday: fluency checks • Thursday: unpick arithmetic paper • Friday: unpick reasoning paper	• Revisit key place value, operations and fractions skills before summer break

Small Steps

Properties of Shape	Measurement (length & height)	Measurement (mass, capacity & temp)	Assessment	Summer Springboard
• Recognize 2d shapes • Properties of 2d shapes • Sort 2d shapes based on properties • Draw 2d shapes • Lines of symmetry • PS Lesson: 2D shapes (visual) • Recognize 3d shapes • Properties of 3d shapes • Sort 3d shapes based on properties • PS Leson: 3D shapes (logic) • Patterns with 2d and 3d shapes • Assessment • Pause & Stretch • PS Skills Lesson: visualising	• Measure in cm • Measure in m • Compare lengths and heights • Order lengths and heights • PS Lesson: order lengths and heights (real-life word) • Calculate with lengths and heights • PS Lesson: calculate with lengths and heights (more than one possibility) • Assessment • Pause & Stretch	• Compare mass • measure mass • Calculate mass • Compare capacity • measure in capacity • Calculate capacity • PS Lesson: measures (real-life word) • Interpret temperature scales • Assessment, Pause & Stretch • PS Skills Lesson: conjecture & generalising		