Parklands LTP – Maths – **Year 3**

AUTUMN TERM	Block 1 Weeks 1-3 **PLACE VALUE**	Block 2 Weeks 4-8 **ADDITION AND SUBTRACTION**	Block 3 Weeks 9-12 **MULTIPLICATION AND DIVISION**
Small Step Objective from White Rose	- Represent numbers to 100 - Partition numbers to 100 - Number line to 100 - Hundreds - Represent numbers to 1,000 - Partition numbers to 1,000 - Flexible partitioning of numbers to 1,000 - Hundreds, tens and ones - Find 1, 10 or 100 more or less - Number line to 1,000 - Estimate on a number line to 1,000 - Compare numbers to 1,000 - Order numbers to 1,000 - Count in 50s	- Apply number bonds within 10 - Add and subtract 1s - Add and subtract 10s - Add and subtract 100s - Spot the pattern - Add 1s across a 10 - Add 10s across a 100 - Subtract 1s across a 10 - Subtract 10s across a 100 - Make connections - Add two numbers (no exchange) - Subtract two numbers (no exchange) - Add two numbers (across a 10) - Add two numbers (across a 100) - Subtract two numbers (across a 10) - Subtract two numbers (across a 100)	- Multiplication – equal groups - Use arrays - Multiples of 2 - Multiples of 5 and 10 - Sharing and grouping - Multiply by 3 - Divide by 3 - The 3 times-table - Multiply by 4 - Divide by 4 - The 4 times-table - Multiply by 8 - Divide by 8 - The 8 times-table - The 2, 4 and 8 times-tables
National Curriculum Reference	Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Compare and order numbers up to 1000 Identify, represent and estimate numbers using different representations Read and write numbers up to 1000 in numerals and in words Solve number problems and practical problems involving these ideas	Add and subtract numbers mentally, including: A three-digit number and ones A three-digit number and tens A three-digit number and hundreds Add and subtract numbers with up to three digits, using formal written methods of columnar addition And subtraction Estimate the answer to a calculation and use inverse operations to check answers Solve problems, including missing number facts, place value, and more complex addition and subtraction.	Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables Write and calculate mathematical statements for Multiplication and division using the multiplication tables that they know

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SPRING TERM	Block 1 Week 1-3 MULTIPLICATION AND DIVISION	Block 2 Weeks 4-6 LENGTH AND PERIMETER	Block 3 Week 7-9 FRACTIONS A	Block 4 Weeks 10-12 MASS AND CAPACITY
Small Step Objective from White Rose	• Multiples of 10 • Related calculations • Reasoning about multiplication • Multiply a 2-digit number by a 1-digit number – no exchange • Multiply a 2-digit number by a 1-digit number – with exchange • Link multiplication and division • Divide a 2-digit number by a 1-digit number – no exchange • Divide a 2-digit number by a 1-digit number – flexible partitioning • Divide a 2-digit number by a 1-digit number – with remainders • Scaling • How many ways?	• Measure in metres and centimetres • Measure in millimetres • Measure in centimetres and millimetres • Metres, centimetres and millimetres • Equivalent lengths (metres and centimetres) • Equivalent lengths (centimetres and millimetres) • Compare lengths • Add lengths • Subtract lengths • What is perimeter? • Measure perimeter • Calculate perimeter	• Understand the denominators of unit fractions • Compare and order unit fractions • Understand the numerators of non-unit fractions • Understand the whole • Compare and order non-unit fractions • Fractions and scales • Fractions on a number line • Count in fractions on a number line • Equivalent fractions on a number line • Equivalent fractions as bar models	• Use scales • Measure mass in grams • Measure mass in kilograms and grams • Equivalent masses (kilograms and grams) • Compare mass • Add and subtract mass • Measure capacity and volume in millilitres • Measure capacity and volume in litres and millilitres • Equivalent capacities and volumes (litres and millilitres) • Compare capacity and volume • Add and subtract capacity and volume
National Curriculum Reference	Write and calculate mathematical statements for Multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, Involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	Measure the perimeter of simple 2-D shapes Measure, compare, add and subtract: lengths (m/cm/mm);	Count up and down in tenths; recognise that tenths Arise from dividing an object into 10 equal parts and In dividing one-digit numbers or quantities by 10 Recognise and use fractions as numbers: unit fractions And non-unit fractions with small	Measure, compare, add and subtract; mass (kg/g); volume/capacity (l/ml)

		denominators Recognise and show, using diagrams, equivalent fractions with small denominators Compare and order unit fractions, and fractions with the same denominators Solve problems that involve all of the above.	

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SUMMER TERM	Block 1 Week 1-2 FRACTIONS B	Block 2 Weeks 3-4 MONEY	Block 3 Week 5-7 TIME	Block 4 Weeks 8-9 SHAPE	Block 5 Weeks 10-11 STATISTICS	Block 6 Week 10 CONSOLIDATION
Small Step Objective from White Rose	• Add fractions • Subtract fractions • Partition the whole • Unit fractions of a set of objects • Non-unit fractions of a set of objects • Reasoning with fractions of an amount	▪ Pounds and pence ▪ Convert pounds and pence ▪ Add money ▪ Subtract money ▪ Find change	▪ Roman numerals to 12 ▪ Tell the time to 5 minutes ▪ Tell the time to the minute ▪ Read time on a digital clock ▪ Use am and pm ▪ Years, months and days ▪ Days and hours ▪ Hours and minutes – use start and end times ▪ Hours and minutes - use durations ▪ Minutes and seconds ▪ Units of time ▪ Solve problems with time	▪ Turns and angles ▪ Right angles ▪ Compare angles ▪ Measure and draw accurately ▪ Horizontal and vertical ▪ Parallel and perpendicular ▪ Recognise and describe 2-D shapes ▪ Draw polygons ▪ Recognise and describe 3-D shapes ▪ Make 3-D shapes	▪ Interpret pictograms ▪ Draw pictograms ▪ Interpret bar charts ▪ Draw bar charts ▪ Collect and represent data ▪ Two-way tables	Chosen by teacher based on needs of the class.
National Curriculum Reference	Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7] Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small	Add and subtract amounts of money to give change, Using both £ and p in practical contexts	Tell and write the time from an analogue clock, Including using roman numerals from i to xii, and 12-hour and 24-hour clocks Estimate and read time with increasing accuracy to The nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such	Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them Recognise angles as a property of shape or a description of a turn	Interpret and present data using bar charts, pictograms and tables Solve one-step and two-step questions [for example, 'how many more?' and 'how many fewer?'] using information presented in scaled bar charts and pictograms and tables	Mixed

denominators Solve problems that involve all of the above		as o'clock, a.m./p.m., morning, afternoon, noon and midnight Know the number of seconds in a minute and the number of days in each month, year and leap year Compare durations of events [for example to calculate the time taken by particular events or tasks].	Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.		