Joseph Turner Primary School
Year 3 – Maths MTP – Spring 2023/2024 (v3)

	Weeks 1-3	Weeks 4-6	Weeks 7-9	Week 10-12
White Rose Maths Small Steps	**Numbers: Multiplication and Division A (Moved from Autumn)** Mulitplication – 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	**Multiplication and division B** Multiples of 10 Related calculations Reasoning about multiplication 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?	**Number: Fractions A** Understand the denominators of unit fractions Compare and order unit fractions Understand the numerators of non-unit factions Understand the whole Compare and order non-unit fractions Fractions and scale Fractions on a number line Count in fractions on a number line Equivalent fractions on a number line Equivalent fractions as bar models	**Measurement: Mass and Capacity** Use scales Measure mass in grams Measure mass in kilograms 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
NC Objective	Show that multiplication of two numbers can be done in any order (commutative) and division on one number by another cannot (Y2) Count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward (Y2) Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers (Y2) 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, including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods	Recall and use multiplication facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers (Y2) Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for 2-digit numbers times 1-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	Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators Compare and order unit fractions, and fractions with the same denominators Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators Recognise and show, using diagrams, equivalent fractions with small denominators	Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
Ready to Progress Criteria	3NF-2 - Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number. 3MD-1 - Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division.	3NF-3 - Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10). 3MD-1 - Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division. 3NPV-3 - Reason about the location of any three digit number in the linear number system, including identifying the previous and next multiple of 100 and 10	3F-1 - Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts. 3F-2 - Find unit fractions of quantities using known division facts (multiplication tables fluency). 3F-3 - Reason about the location of any fraction within 1 in the linear number system. 3F-4 - Add and subtract fractions with the same denominator, within 1	3NPV-4 - Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts.