Joseph Turner Primary School
Year 4 – Maths MTP –Spring 2023/2024 (v3)

	Weeks 1-3	Weeks 4-5	Weeks 6-9	Weeks 10-12
White Rose Maths Small Steps	<u>Number: Multiplication and Division B</u> Factor Use factor pairs Multiply by 10 Multiply by 100 Divide by 10 Divide by 100 Related facts – multiplication and division Informal written methods for multiplication Multiply a 2-digit number by a 1-digit number Multiply a 3-digit number by a 1-digit number Divide a 2-digit number by a 1-digit number Divide a 3-digit number by a 1-digit number Correspondence problems Efficient multiplication	<u>Measurement: Length and Perimeter</u> Measure in kilometres and metres Equivalent lengths (kilometres and metres) Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes Find missing lengths in rectilinear shapes Calculate perimeter of rectilinear shapes Perimeter of regular polygons Perimeter of polygons	<u>Number: Fractions</u> Understand the whole Count beyond 1 Partition a mixed number Number lines with mixed numbers Understand improper fractions Convert mixed numbers to improper fractions Convert improper fractions to mixed numbers Equivalent fractions on a number line Equivalent fraction families Add two or more fractions Add fractions and mixed numbers Subtract two fractions Subtract from whole amounts Subtract from mixed numbers	<u>Number: Decimals A</u> Tenths as fractions Tenths as decimals Tenths on a place value chart Tenths on a number line Divide a 1-digit number by 10 Divide a 2-digit number by 10 Hundredths as fractions Hundredths as decimals Hundredths on a place value chart Divide a 1 or 2-digit number by 100
NC Objective	Recognise and use factor pairs and commutativity in mental calculations Recall multiplication and division facts for multiplication tables up to 12 × 12 Solve problems involving multiplying and adding, including using the distributive law to multiply 2-digit numbers by 1 digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout Multiply 2-digit and 3-digit numbers by a 1-digit number using formal written layout Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together 3 numbers	Convert between different units of measure [for example, kilometre to metre; hour to minute] Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres This small step is not taken from the Year 4 National Curriculum. It is included to take into account the non-statutory DfE Ready to Progress guidance.	Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators (Y3) Recognise and show, using diagrams, families of common equivalent fractions Add and subtract fractions with the same denominator	Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing 1-digit numbers or quantities by 10 (Y3) Recognise and write decimal equivalents of any number of tenths or hundredths Compare numbers with the same number of decimal places up to 2 decimal places Find the effect of dividing a 1- or 2-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Count up and down in hundredths; recognise that hundredths arise when dividing an object by 100 and dividing tenths by 10 Recognise and show, using diagrams, families of common equivalent fractions
Ready to Progress Criteria	4NF-1- Recall multiplication and division facts up to 12 × 12 and recognise products in multiplication tables as multiples of the corresponding number. 4NF-2 - Solve division problems, with two-digit dividends and one-digit divisors that involve remainders, and interpret remainders appropriately according to the context. 4NF-3 - Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100) 4MD-2 - Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication. 4MD-3 - Understand and apply the distributive property of multiplication.	4NF-1- Recall multiplication and division facts up to 12 × 12 and recognise products in multiplication tables as multiples of the corresponding number	4F-1 - Reason about the location of mixed numbers in the linear number system 4F-2 - Convert mixed numbers to improper fractions and vice versa. 4F-3 - Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers	