Year 3		
Autumn Term (7 weeks + 7 weeks = 14 weeks)	Small steps	Key vocab for topic
Number and Place value (3 weeks) **3N1** Count from 0 in multiples of 4, 8, 50 and 100 **3N2a** Compare and order numbers up to 1000 **3N2b** Find 10 or 100 more or less than a given number **3N2c** Read and write numbers to 1000 in numerals and words **3N3** Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) **3N4** Identify, represent and estimate numbers using different representations **3N6** Solve number problems and practical problems involving above (3N1 - 3N5)	Represent numbers to 100 Partition numbers to 100 Numberline 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	hundreds tens ones place value more less greater than less than compare equal to order estimate exchange partition multiples digits
Addition and subtraction (5 weeks) **3C1** Add and subtract numbers mentally, including: - a three digit number and ones - a three digit number and tens - a three digit number and hundreds **3C2** Add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction. **3C3** Estimate the answer to a calculation and use inverse operations to check answers **3C4** Solve problems. including missing number problems, using number facts, place value and more complex addition and subtraction	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 number (across a 10) Add two numbers (across a 100) Subtract two numbers (across a 10) Subtract two numbers (across a 100) Add 2-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number Complements to 100 Estimate answers Inverse operations Make decisions	more than less than digits addition/add subtraction/subtract/take away combine total mental mentally column exchange place value hundreds tens ones smallest altogether sum calculation find the difference Inverse Commutative
Multiplication and Division (3 weeks) (Dependent upon your journey, NTS assessment week might fall in the middle of this block just FYI) **3C6** Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables NTS assessment week	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	multiplication/ times/ lots of/ groups of/product/repeated addition division/share equal/repeated subtraction divisor share equally array commutative inverse estimate remainder
Geometry – shape (2 weeks) **3G2** Identify horizontal, vertical lines and pairs of perpendicular and parallel lines	Turns and angles Right angles Compare angles	turn/angle right angle horizontal/ vertical perpendicular/ parallel

3G3a Draw 2–D shapes 3G3b Make 3–D shapes using modelling materials; recognise 3–D shapes in different orientations and describe them 3G4a Recognise that angles are a property of shape or a description of a turn 3G4b 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	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	degrees greater than/less than 2d shape/polygon -regular, irregular, sides, angles 3d shapes – faces, edges, vertex (one), vertices (more than one)
Spring Term – (6 weeks + 7 weeks = 13 weeks)	Small steps	Key vocab
Multiplication and division (3 weeks) 3C7 Write and calculate mathematical statements for multiplication using the multiplication tables that children know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods 3C7b Write and calculate mathematical statements for division using the multiplication tables that children know, including for two-digit numbers divided by one-digit numbers, using mental and progressing to formal written methods 3C8 Solve problems, including missing number problems, involving X and division, including integer scaling problems and correspondence problems in which n objects are connected to m objects	Multiples of 10 (WhiteRose) Related calculations (WR) Reasoning about multiplication (WR) **See separate document for the following steps**: Year 3 teaching of Multiplication and Division methods.docx Multiply a 2-digit number by a 1-digit number - no exchange Multiply a 2-digit number by a 1-digit number - with exchange Divide a 2-digit number by a 1-digit number - no exchange Divide a 2-digit number by a 1-digit number - with remainders Scaling (WR) How many ways? (WR)	multiplication/ times/ lots of/ groups of/product/repeated addition/array/commutative division/share equal/repeated subtraction/divisor/share equally/remainder
Measurement - Length and perimeter (3 weeks) 3M1a Compare lengths (m/cm/mm) 3M2a Measure lengths (m/cm/mm) 3M9b Add and subtract lengths (m/cm/mm) 3M7 Measure the perimeter of simple 2–D shapes	Measure in m and cm Measure in mm Measure in cm and mm Metres, cm and mm Equivalent lengths (m and cm) Equivalent lengths (cm and mm) Compare lengths Add lengths Subtract lengths What is perimeter? Measure perimeter Calculate perimeter	cm, mm, m convert equal equivalent equal to compare order greater than distance
Number - Fractions (3 weeks) 3F1b Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators 3F1c Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators 3F2 Recognise and show, using diagrams, equivalent fractions with small denominators 3F3 Compare and order unit fractions and fractions with the same denominators	Understand the denominators of unit fractions Compare and order unit fractions Order 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 as bar models	equal parts, denominator, numerator, unit fraction, non-unit fraction, equal, equivalent, equal to

NTS assessment week **Measurement - Mass and capacity (2 weeks)** 3M1b Compare mass (kg/g) 3M1c Compare volume / capacity (l/ml) 3M2b Measure mass (kg/g) 3M2c Measure volume / capacity (l/ml) 3M9c Add and subtract mass (kg/g) 3M9d Add and subtract volume / capacity (l/ml)	Use scales Measure mass in grams Measure mass in kilograms and grams Equivalent masses Compare mass Add and subtract mass Measure capacity and volume in ml Measure capacity and volume in litres and ml Equivalent capacities and volumes Compare capacity and volume Add and subtract capacity and volume	kg/g mass scales compare smaller larger millilitres and litres capacity
Summer Term – (4 weeks + 7 weeks = 11 weeks)	**Small steps**	**Key vocab**
Fractions (2 weeks) 3F4 Add and subtract fractions with the same denominator within one whole e.g. 5/7 +1/7 = 6/7 3F1b Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators 3F1a 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	Add fractions Subtract fractions Partition the whole Unit fractions of a set of objects Non-unit fractions of a set of objects Tenths Count in tenths Write tenths as decimals	equal parts, denominator, numerator, unit fraction, non-unit fraction, equal, equivalent, equal to
Money (2 weeks) 3M9a Add and subtract amounts of money to give change, using both £ and p in practical contexts	Pounds and pence Convert pounds and pence Add money Subtract money Find change	Pounds Pence Convert Order Add Subtract Change Round Estimate Cost Decimal point Calculate
Time (3 weeks) 3M4a Tell and write the time from an analogue clock; 12-hour clocks 3M4b Tell and write the time from an analogue clock; 24-hour clocks 3M4c Tell and write the time from an analogue clock, including using Roman numerals from I to XII 3M4d 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 as o'clock/a.m./p.m., morning, afternoon, noon and midnight 3M4e Know the number of seconds in a minute and the number of days in each month, year and leap year 3M4f Compare durations of events, [eg: to calculate the time taken by particular events or tasks]	Roman Numerals to 12 Telling the time to 5 minutes Telling the time to the minute To read the time on a digital clock Use a.m and p.m Years, months, days Days and hours Hours and minutes – start and end times Hours and minutes – durations Minutes and seconds Units of time Solve problems with time	Seconds Minutes Hours 24 hour/12 hour clock Hands Analogue Am/pm To/past Half past Quarter to/from O'clock Morning, noon, afternoon and midnight Digital

NTS assessment week **Statistics (2 weeks)** **3S1** Interpret and present data using bar charts, pictograms and tables **3S2** Solve one-step and two- step questions [eg: 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts, pictograms and tables	Interpret pictograms Draw pictograms Interpret bar charts Draw bar charts Collect and represent data Two-way tables	Table Tally Interpret Pictogram Data Represent Most common Least common Scale Bar chart Interpret Present Table Tally Compare X-axis Y-axis Frequency