|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| p | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | Addition and Subtraction | Multiplication and Division A | Consolidation  | Assessment  |
| **Spr** | Multiplication and Division B | Length and Perimeter | Fractions A | Mass and Capacity  | Consolidation | Assessment |
| **Sum** | Fractions B | Money | Time | Shape | Statistics | Consolidation | Assessment | Transition |

**Autumn Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

|  |  |  |
| --- | --- | --- |
|  | **Autumn 1** | **Autumn 2** |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
|  | **Number: Place Value** | **`Number: Addition and Subtraction** | **Number: Multiplication and Division A** | **Consolidation** | **Assessment****Week** |
| **Small Steps (WRM)** | Represent numbers to 100Partition numbers to 100Number line to 100Hundreds Represent numbers to 1,000 | Partition numbers to 1,000Flexible partitioning of numbers to 1,000Hundreds, tens and onesFind 1, 10 or 100 more or lessNumber line to 1,000 | Estimate on a number line to 1,000Compare numbers to 1,000Order number to 1,000Count in 50s | Apply number bonds within 10Add and subtract 1sAdd and subtract 10sAdd and subtract 100sSpot the pattern | Add 1s across a 10Add 10s across a 100Subtract 1s across a 10Subtract 10s across a 100Make 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)Add tw0-digit and 3-digit numbers Subtract a 2-digit number from a 3-digit number  | Complements to 100Estimate answers Inverse operationsMake decisions | Multiplication – equal groups Use arrays Multiples of 2Multiples of 5 and 10 | Sharing and groupingMultiply by 3Divide by 3The 3 times table  | Multiply by 4Divide by 4The 4 times table  | Multiply by 8Divide by 8The 8 times table The 2, 4 and 8 times table  |  |  |
| **Supporting Resources** | **NCETM Spine:** 1.17 (TP1 hundreds, 1000, 50s, 25s) 1.18 (TP1 100s,10s,1s) (TP2 number line to 1000) (TP3 1,10,100 more or less) (TP4 compare order) | **NCETM Spine:** 1.18 (TP 5 add and sub multiples of 100) 1.19 1.17 (TP 3 + 4 crossing 10s and 100s) 1.20 (written addition) 1.21 (written subtraction) | **NCETM Spine:** 2.6 (revisit for equal groups) 2.8 (TP 1 mult and divide by 3) 2.7 (mainly TP2 mult divide by 4 incl 4x table) (TP3 & 4 mult and divide by 8 incl 8x table) |  |  |
| **Vocab** | Place value, digit, hundreds, tens, ones, thousand, numeral, value, standard form, expanded form, word form, base ten, comparison, ordering, estimation, regrouping, partitioning  | Addition, subtraction, sum, difference, addend, minuend, subtrahend, total, carry over, borrow, exchange, estimation, rounding, inverse operations, number line, decompose, equation, compensations, place value | Multiplication, division, factor, product, dividend, divisor, quotient, remainder, times table, array, repeated addition, equal groups, multiplicative comparison, inverse operations, skip counting, commutative law, partition, distribute |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | Addition and Subtraction | Multiplication and Division A | Consolidation  | Assessment  |
| **Spr** | Multiplication and Division B | Length and Perimeter | Fractions A | Mass and Capacity  | Consolidation | Assessment |
| **Sum** | Fractions B | Money | Time | Shape | Statistics | Consolidation | Assessment | Transition |

**Spring Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

|  |  |  |
| --- | --- | --- |
|  | **Spring 1** | **Spring 2** |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
|  | **Number: Multiplication and Division B** | **Measure: Length and Perimeter** | **Number: Fractions A** | **Measure: Mass and Capacity**  | **Consolidation** | **Assessment****Week** |
| **Small Steps (WRM)** | Multiples of 10Related calculationsReasoning about multiplicationMultiply 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 divisionDivide a 2-digit number by a 1-digit number (no exchange) | Divide a 2-digit number by a 1-digit (flexible partitioning)Divide a 2-digit number by a 1-digit number (with remainders) ScalingHow many ways? | Measure in metres and centimetres Measure in millimetres Measure in centimetres and millimetresMetres, centimetres and millimetres  | Equivalent lengths (metres and centimetres)Equivalent lengths (centimetres and millimetres) Compare lengthsAdd lengths  | Subtract lengthsWhat is perimeter ?Measure perimeterCalculate perimeter | Understand the denominators of unit fractionsCompare and order unit fractions Understand the numerators of non-unit fractions  | Understand the wholeCompare and order non-unit fractionsFractions and scales Fractions on a number line | Count in fractions on a number lineEquivalent fractions on a number lineEquivalent fractions as bar models | Use scalesMeasure mass in gramsMeasure mass in kilograms and gramsEquivalent masses (kilograms and grams) | Compare massAdd and subtract massMeasure capacity and volume in millilitres Measure mass and capacity in millilitres and litres  | Equivalent capacity of volumes (millilitres and litres)Compare capacity and volume Add and subtract capacity and volume  |  |  |
| **Supporting Resources** | **NCETM Spine**: 2.6 TP4 related 2.13 (TP 6 related facts taken from y4) 2.19 (related facts taken from y5) 2.17 and 2.8 (TP 5 scaling) 2.14 (select from TP 1 & 2) 2.15 (TP 1) (Concrete resources best for this topic) | **NCETM Spine:** 2.16 (TP 1 to introduce) | **NCETM Spine:** revisit Key Stage 1 3.1, 3.2 3.6 (TP 3 Fractions of amounts) |  |  |  |
| **Vocab** | Multiplication, division, factor, product, dividend, divisor, quotient, remainder, times table, array, repeated addition, equal groups, multiplicative comparison, inverse operations, skip counting, commutative law, partition, distribute | Length, width, height, perimeter, distance, measure, unit, metre, centimetre, millimetre, inch, ruler, tape measure, scale, compare, estimate | Fraction, numerator, denominator, half, quatre, third, equivalent fractions, simplest form, mixed number, improper fractions, proper fraction, whole number, compare fractions, add fractions, subtract fractions, unit fractions, visual fractions model, partition | Mass, capacity, weight, gram, kilogram, litre, millilitre, scale, balance, measuring cup, measuring jug, volume, density, heavy, light, full, empty |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
| **Aut** | Place Value | Addition and Subtraction | Multiplication and Division A | Consolidation  | Assessment  |
| **Spr** | Multiplication and Division B | Length and Perimeter | Fractions A | Mass and Capacity  | Consolidation | Assessment |
| **Sum** | Fractions B | Money | Time | Shape | Statistics | Consolidation | Assessment | Transition |

**Summer Term:** **Breakdown of small steps across the year: Based on White Rose Maths Scheme of Learning**

|  |  |  |
| --- | --- | --- |
|  | **Spring 1** | **Spring 2** |
|  | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** | **Week 9** | **Week 10** | **Week 11** | **Week 12** | **Week 13** | **Week 14** |
|  | **Fractions B** | **Money** | **Time** | **Shape** | **Statistics** | **Consolidation** | **Assessment** | **Transition** |
| **Small Steps (WRM)** | 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 moneyFind change | Roman numerals to 12Tell the time to 5 minutesTell the time to the minuteRead time on a digital clock | Use a.m. and p.m.Years, months and daysDays and hours Hours and minutes  | Hours and minutes – use durations Minutes and seconds Units of timeSolve problems with time | Turns and anglesRight angles Compare angles Measure and draw accurately Horizontal and vertical  | Parallel and perpendicular Recognise and describe 2D shapes Draw polygonsRecognise and describe 3D shapes Make 3D shapes | Interpret pictograms Draw pictograms Interpret bar charts | Draw bar chartsCollect and represent dataTwo-way tables  |  |  |  |
| **Supporting Resources** | **NCETM Spine: 3.3** (compare and order) 3.4 (add and sub fractions) 3.7 (select from TP 1 + 2 only) |  |  |  |  |  |  |  |
| **Vocab** | Fraction, numerator, denominator, half, quatre, third, equivalent fractions, simplest form, mixed number, improper fractions, proper fraction, whole number, compare fractions, add fractions, subtract fractions, unit fractions, visual fractions model, partition | penny (1p), two pence (2p), five pence (5p), and others up to two pounds (£2), as well as notes like five pounds (£5) and ten pounds (£10). Currency, coin, note, change, total, cost, and value, understanding decimal place value. greater than (>), less than (<), and equal to  | Second, minute, hour, day, week, month, year, hour hand, minute hand, clock face, numbers (1-12) on the clock, o'clock, half past, quarter past, quarter to, AM, PM, before, after, past, to, early, late, morning, afternoon, evening, night, first, next, then, finally, last, duration, short, long, fast, slow, days of the week, months of the year, seasons, yesterday, today, tomorrow, routine, schedule, timetable, planning, waiting, time management, elapsed, how long, time passed, time taken, clock, watch, timer, calendar, word problems. | circles, squares, triangles, rectangles, ovals, and polygons such as pentagons, hexagons, and octagons. They also explore 3D shapes such as spheres, cubes, cones, cylinders, rectangular prisms, and pyramids. Concepts include shape attributes like sides, corners (or vertices), edges (for 3D shapes), curves, angles, symmetry, and terms related to size, position, and direction. Students learn transformation terms like rotate, flip (reflect), and slide (translate), as well as pattern and symmetry concepts. | Bar graphs, picture graphs (pictographs), tally charts, and line plots to organize and display data, more, less, equal, greater, and smaller, and learn about frequency, which refers to how often something occurs. |  |  |  |