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|  | **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, subtraction, multiplication and division  | Fractions A | Fractions B | Converting Units | Consolidation  | Assessment Week |
| **Spr** | Ratio | Algebra | Decimals | FDP | Area, perimeter, volume | Statistics |  |  |
| **Sum** | Shape | Position and direction | Themed projects, consolidation and problem solving |  |  |

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

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|  | **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** |
|  | **Place Value** | **Addition, subtraction, multiplication and division**  | **Fractions A** | **Fractions B** | **Converting Units** | **Consolidation**  | **Assessment****Week** |
| **Small Steps (WRM)** | Numbers to 1,000,000Numbers to 10,000,000Read and write numbers to 10,000,000Powers of 10 | Number line to 10,000,000Compare and order any integersRound any integerNegative numbers  | Add and subtract integersCommon factorsCommon multiplesRules of divisibility | Primes to 100Square and cube numbersMultiply up to a 4-digit numbers by a 2-digit number | Solve problems with multiplication Short division Division using factors  | Introduction to long division Lond division with remaindersSolve problems with division  | Solve multi-step problemsOrder of operations Mental calculations and estimation Reason for known facts | Equivalent fractions and simplifying Equivalent fractions on a number lineCompare and order (denominator)Compare and order (numerator) | Add and subtract simple fractions Add and subtract any two fractionsAdd mixed numbersSubtract mixed numbersMulti-step problems  | Multiply fractions by integersMultiply fractions by fractions Divide a fraction by an integer | Mixed questions with fractions Fraction of an amountFraction of an amount – find the whole  | Metric measureConvert metric measuresCalculate metric measure M and KMImperial measure  |  |  |
| **Supporting Resources** | **NCETM Spine**: revisit y5 1.26PV 1.30 (mainly TP2 and TP3) 1.30 (TP 5 rounding) | **NCETM Spine:** 1.30TP 4 (revisit 1.20 and 1.21 for column) 1.30 (maybe use to secure PV and counting through boundaries using mental methods TP4 and fluency including RPS in TP6) 2.24 (division - ref back to 2.15 if necessary) 2.23 long multiplication 2.21 common factors, common multiples, primes 2.20 cubes and ref back to 2.9 for square numbers 2.22 and 2.28 (order operations) 2.25 (reason known facts) | **NCETM Spine**: 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3 | **NCETM Spine**: 3.7 simplify equivalent incl. number line revisit 3.5 mixed number improper fraction add, sub, number line 3.8 add and sub fractions 3.8 TP 5 (compare denom. and numerator) 3.9 Multiply, divide 3.9 fractions of amounts TP1 - revisit 3.6 TP 3 | **NCETM Spine**: 2.29 TP2 (metric only |  |  |
| **Vocab** | Place value, digit, value, decimal, whole number, decimal point, thousands, hundreds, tens, ones, units, tenths, hundredths, thousandths, numerical value, expanded form, standard form, rounding, estimation, comparison | Sum, difference, quotient, addend, subtrahend, minuend, factor, dividend, divisor, remainder, operation, product, inverse | Fraction, numerator, denominator, proper fraction, improper fraction, mixed number, equivalent fractions, simplifying fractions, common denominator, LCD, LCM unit fraction | Fraction, numerator, denominator, proper fraction, improper fraction, mixed number, equivalent fractions, simplifying fractions, common denominator, LCD, LCM unit fraction | Conversion, metric, imperial, length, distance, miles to km |  |  |

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|  | **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, subtraction, multiplication and division  | Fractions A | Fractions B | Converting Units | Consolidation  | Assessment Week |
| **Spr** | Ratio | Algebra | Decimals | FDP | Area, perimeter, volume | Statistics |  |  |
| **Sum** | Shape | Position and direction | Themed projects, consolidation and problem solving |  |  |

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

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|  | **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** |
|  | **Ratio** | **Algebra** | **Decimals** | **FDP** | **Area, perimeter, volume** | **Statistics** | **Consolidation**  | **Assessment****Week** |
| **Small Steps (WRM)** | Add or multiply?Use ratio language Introduction to the ratio symbolRatio and fractionsScale drawing | Use scale factorsSimilar shapesRatio problemsProportion problems Recipes | 1-step function machines2-step function machinesForm expressionsSubstitution Formulae | Form equationsSolve 1-step equationsSolve 2-step equations Find pairs of valuesSolve problems with two unknowns  | Place value within 1Place value – integers and decimals Round decimalsAdd and subtract decimals Multiply 10, 100 and 1,000 | Divide by 10, 100 and 1,000Multiply decimals by integers Divide decimals by integers Multiply and divide decimals in context  | Decimal and fraction equivalents Fractions as division Understand percentages Fractions as percentagesEquivalent FDP | Order FDPPercentage of an amount – one stepPercentage of an amount – multi stepPercentages – missing values | Shape – same areaArea and perimeter Area of a triangle – counting squaresArea of a right-angled triangle  | Area of any triangleArea of a parallelogram Volume – counting cubesVolume of a cuboid  | Line graphsDuel bar chartsRead and interpret pie charts | Pie charts with percentagesDraw pie chartsThe mean |  |  |
| **Supporting Resources** | **NCETM Spine**: 2.27 | **NCETM Spine:** 1.28, 1.31 | **NCETM Spine:** revisit TP 1.24 for 3 D.P, revisit 2.29 - multi div 10,100,1000 2.19 mult div decimals by integers 2.28 (some support with division problems but no decimals) 3.10 fraction decimal | **NCETM Spine:** 3.10 | **NCETM Spine**: 2.30 area perimeter (revisit 2.16) 2.20 volume | **NCETM Spine:** 1.28 TP3 (pie chart, bar chart - missing values focus) 3.10 TP6 - percentage context, 2.26 mean average |  |  |
| **Vocab** | Proportion, comparison, scale, scaling | Variable, expression, equation, coefficient, constant, term, like term, factorisation, expansion, linear equation, inequality | Place value, tenths, hundredths, thousandths, decimal fraction, decimal notation, ordering, equivalent | Proper, improper, mixed number, equivalent, simplifying, common LCD, LCM | Length, width, height, base, surface area, net, composite shape | Data, statistics, survey, analysis, representation, frequency, bar/line/pictograph, mean, mode, median, range, probability |  |  |

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|  | **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, subtraction, multiplication and division  | Fractions A | Fractions B | Converting Units | Consolidation  | Assessment Week |
| **Spr** | Ratio | Algebra | Decimals | FDP | Area, perimeter, volume | Statistics |  |  |
| **Sum** | Shape | Position and direction | Themed projects, consolidation and problem solving |  |  |

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

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|  | **Summer 1** | **Summer 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** |
|  | **Shape** | **Position and direction**  | **Themed projects, consolidation and problem solving** | **Consolidation**  | **Assessment****Week** |
| **Small Steps (WRM)** | Measure and classify anglesCalculate anglesVertically opposite anglesAngles in a triangle Angles in a triangle – special cases | Angle sin a triangle – missing anglesAngles I quadrilaterals Angles in polygonsCirclesDraw shapes accuratelyNets of 3-D | The first quadrantRead a plot in four quadrantsSolve problems with coordinates Translations Reflections  | Best value - book the perfect holiday  | Profit and loss – design the perfect theme park  | Packaging - design the most efficient and cost effective package | Cooking problems - solve the ration and proportion dilemmas and cook based on your findings  | Salaries of you future  | Buying my house | Taxation and bills  |  |  |  |  |
| **Supporting Resources** | **NCETM Spine:** 1.28 TP4 (missing angles only) | **NCETM Spine:** 1.27 TP 6 |  |  |  |
| **Vocab** | Angles, acute, obtuse, reflex, right-angle, opposite angles, bisect, 180 degrees, 360 degrees, 90 degrees,  | Left, right, up, down, north, south, east, west, forward, backward, clockwise, anticlockwise |  |  |  |