SPRING TERM PLANNING YEAR 1

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| Unit 1 - Place Value to 20 | Unit 2 - Addition and subtraction within 20 | Unit 3 - Place Value within 50 | Unit 4 – Length and Height | Unit 5 – Mass and Volume |
| Count within 20 | Add by counting on within 20 | Count from 20 to 50 | Compare length and height | Heavier and lighter |
| Understand 10 | Add ones using number bonds | 20, 30, 40 and 50 | Measure length using objects | Measure mass |
| Understand 11, 12 and 13 | Find and make number bonds to 20 | Count by making groups of tens | Measure length in centimetres | Compare mass |
| Understand 14, 15 and 16 | Doubles | Groups of tens and ones |  | Full and empty |
| Understand 17, 18 and 19 | Near doubles | Partition into tens and ones |  | Compare volume |
| Understand 20 | Subtract ones using number bonds | The number line to 50 |  | Measure capacity |
| 1 more and 1 less | Subtraction – counting back | Estimate on a number line to 50 |  | Compare capacity |
| The number line to 20 | Subtraction – finding the difference | 1 more and 1 less |  |  |
| Use a number line to 20 | Related facts |  |  |  |
| Estimate on a number line to 20 | Missing number problems |  |  |  |
| Compare numbers to 20 |  |  |  |  |
| Order numbers to 20 |  |  |  |  |

SPRING TERM PLANNING YEAR 2

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| Unit 1 - Money | Unit 2 – Multiplication and division | Unit 3 – Length and height | Unit 4 – Mass, capacity and temperature |
| Count money – pence | Recognise equal groups | Measure in centimetres | Compare mass |
| Count money – pounds (notes and coins) | Make equal groups | Measure in metres | Measure in grams |
| Count money – pounds and pence | Add equal groups | Compare lengths and height | Measure in kilograms |
| Choose notes and coins | Introduce the multiplication symbol | Order lengths and heights | Four operations with mass |
| Make the same amount | Multiplication sentences | Four operations with lengths and heights | Compare volume and capacity |
| Compare amounts of money | Use arrays |  | Measure in millilitres |
| Calculate with money | Make equal groups – grouping |  | Measure in litres |
| Make a pound | Make equal groups – sharing |  | Four operations with volume and capacity |
| Find change | The 2 times-table |  | Temperature |
| Two-step problems | Dividing by 2 |  |  |
|  | Doubling and halving |  |  |
|  | Odd and even numbers |  |  |
|  | The 10 times-table |  |  |
|  | Divide by 10 |  |  |
|  | The 5 times-table |  |  |
|  | Divide by 5 |  |  |
|  | The 5 and 10 times-tables |  |  |

SPRING TERM PLANNING YEAR 3

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| Unit 1 – Multiplication and division B | Unit 2 – Length and perimeter | Unit 3 – Fractions A | Unit 4 – Mass and capacity |
| Multiples of 10 | Measure in metres and centimetres | Understand the denominator of unit fractions | Use scales |
| Related calculations | Measure in millimetres | Compare and order unit fractions | Measure mass in grams |
| Reasoning about multiplication | Measure in centimetres and millimetres | Understand the numerators of non-unit fractions | Measure mass in kilograms and grams |
| Multiplying a 2-digit number by a 1-digit number (no exchange) | Metres, centimetres and millimetres | Understand the whole | Equivalent masses (kilograms and grams) |
| Multiplying a 2-digit number by a 1-digit number (with exchange) | Equivalent lengths (metres and centimetres) | Compare and order non-unit fractions | Compare mass |
| Link multiplication and division | Equivalent lengths (centimetres and millimetres) | Fractions and scales | Add and subtract mass |
| Divide a 2-digit number by a 1-digit number (no exchange) | Compare lengths | Fractions on a number line | Measure capacity and volume in millilitres |
| Divide a 2-digit number by a 1-digit number (flexible partitioning) | Add lengths | Count in fractions on a number line | Measure capacity and volume in litres and millilitres |
| Divide a 2-digit number by a 1-digit number (with remainders) | Subtract lengths | Equivalent fractions on a number line | Equivalent capacities and volumes in (litres and millilitres) |
| Scaling | What is perimeter? | Equivalent fractions as bar models | Compare capacity and volume |
| How many ways? | Measure perimeter |  | Add and subtract capacity and volume |
|  | Calculate perimeter |  |  |

SPRING TERM PLANNING YEAR 4

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| Unit 1 – Multiplication and division B | Unit 2 – Length and perimeter | Unit 3 - Fractions | Unit 4 – Decimals A |
| Factor pairs | Measure in kilometres and metres | Understand the whole | Tenths as a fraction |
| Use factor pairs | Equivalent lengths (kilometres and metres) | Count beyond 1 | Tenths as decimals |
| Multiply by 10 | Perimeter on a grid | Partition a mixed number | Tenths on a place value chart |
| Multiply by 100 | Perimeter of a rectangle | Number lines with mixed numbers | Tenths on a number line |
| Divide by 10 | Perimeter of rectilinear shapes | Compare and order mixed numbers | Divide a 1-digit number by 10 |
| Divide by 100 | Find missing lengths in rectilinear shapes | Understand improper fractions | Divide a 2-digit number by 10 |
| Related facts – multiplication and division | Calculate perimeter of rectilinear shapes | Convert mixed numbers to improper fractions | Hundredths as a fraction |
| Informal written methods for multiplication | Perimeter of regular polygons | Convert improper fractions to mixed numbers | Hundredths as a decimal |
| Multiply a 2-digit number by a 1-digit number | Perimeter of polygons | Equivalent fractions on a number line | Hundredths on a place value chart |
| Multiply a 3-digit number by a 1-digit number |  | Equivalent fraction families | Divide a 1 or 2-digit number by 100 |
| Divide a 2-digit number by a 1-digit number (1) |  | Add two or more fractions |  |
| Divide a 2-digit number by a 1-digit number (2) |  | Add fractions and mixed numbers |  |
| Divide a 3-digit number by a 1-digit number |  | Subtract two fractions |  |
| Correspondence problems |  | Subtract from whole amounts |  |
| Efficient multiplication |  | Subtract from mixed numbers |  |

SPRING TERM PLANNING YEAR 5

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| Unit 1 – Multiplication and division B | Unit 2 – Fractions B | Unit 3 – Decimals and percentages | Unit 4 – Perimeter and area | Unit 5 - Statistics |
| Multiply up to a 4-digit number by a 1-digit number | Multiply a unit fraction by an integer | Decimals up to 2 decimal places | Perimeter of rectangles | Draw line graphs |
| Multiply a 2-digit number by a 2-digit number (area model) | Multiply a non-unit fraction by an integer | Equivalent fractions and decimals (tenths) | Perimeter of rectilinear shapes | Read and interpret line graphs |
| Multiply a 2-digit number by a 2-digit number | Multiply a mixed number by an integer | Equivalent fractions and decimals (hundredths) | Perimeter of polygons | Read and interpret tables |
| Multiply a 3-digit number by a 2-digit number | Calculate a fraction of a quantity | Equivalent fractions and decimals | Area of rectangles | Two-way tables |
| Multiply a 4-digit number by a 2-digit number | Fraction of an amount | Thousandths as fractions | Area of compound shapes | Read and interpret timetables |
| Solve problems with multiplication | Find the whole | Thousandths as decimals | Estimate area | Additional lessons from NATWEST about money, savings and bank accounts |
| Short division | Use fractions as operators | Thousandths on a place value chart |  |  |
| Divide a 4-digit number by a 1-digit number |  | Order and compare decimals (same number of decimal places) |  |  |
| Divide with remainders |  | Order and compare any decimals with up to 3 decimal places |  |  |
| Efficient division |  | Round to the nearest whole number |  |  |
| Solve problems with multiplication and division |  | Round to 1 decimal place |  |  |
|  |  | Understand percentages |  |  |
|  |  | Percentages as fractions |  |  |
|  |  | Percentages as decimals |  |  |
|  |  | Equivalent fractions, decimals and percentages |  |  |

SPRING TERM PLANNING YEAR 6

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| Unit 1 - Ratio | Unit 2 – Algebra | Unit 3 - Decimals | Unit 4 – Fractions, decimals and percentages | Unit 5 – Area, perimeter and volume | Unit 6 – Statistics |
| Add or multiply? | 1-step function machine | Place value within 1 | Decimals and fractions equivalents | Shapes – same area | Line graphs |
| Use ratio language | 2-step function machines | Place value – integers and decimals | Fractions as division | Area and perimeter | Dual bar charts |
| Introduction to the ratio symbol | Form expressions | Round decimals | Understand percentages | Area of a triangle – counting squares | Read and interpret pie charts |
| Ratio and fractions | Substitution | Add and subtract decimals | Fractions as percentages | Area of a right-angled triangle | Pie charts with percentages |
| Scale drawing | Formulae | Multiply by 10, 100 and 1,000 | Equivalent fractions, decimals and percentages | Area of any triangle | Draw pie charts |
| Use scale factors | Form equations | Divide by 10, 100 and 1,000 | Order fractions, decimals and percentages | Area of a parallelogram | The mean |
| Similar shapes | Solve 1-step equations | Multiply decimals by integers | Percentages of an amount – one step | Volume – counting cubes | Additional lessons from NATWEST about money, savings and bank accounts |
| Ratio problems | Solve 2-step equations | Divide decimals by integers | Percentages of an amount – multi step | Volume of a cuboid |  |
| Proportion problems | Find pairs of values | Multiply and divide decimals in context | Percentages – missing values |  |  |
| Recipes | Solve problems with two unknowns |  |  |  |  |