AUTUMN PLANNING YEAR 1

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| Unit 1 - Place Value within 10 | Unit 2 - Addition and subtraction within 10 | Unit 3 - Shape |
| sort objects | Introduce parts and whole | Recognise and name 3D shapes |
| count objects | Part-whole model | Sort 3D shapes |
| count objects from a larger group | Write number sentences | Recognise and name 2D shapes |
| represent objects | Fact families – addition facts | Sort 2D shapes |
| recognise numbers as words | Number bonds within 10 | Patterns with 2D and 3D shapes |
| count on from any number | Systematic number bonds within 10 |  |
| 1 more | Number bonds to 10 |  |
| count backwards within 10 | Addition – add together |  |
| 1 less | Addition – add more |  |
| comparing groups by matching | Addition problems |  |
| fewer, more, same | Find a part |  |
| less than, greater than, equal to | Subtraction – find a part |  |
| compare numbers | Fact families – the 8 facts |  |
| order objects and numbers | Subtraction – take away/cross out (How many left?) |  |
| the number line | Take away – How many left? |  |
|  | Subtraction on a number line |  |
|  | Add or subtract 1 or 2 |  |

AUTUMN PLANNING YEAR 2

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| Unit 1 - Place Value | Unit 2 - Addition and Subtraction | Unit 3 - Shape |
| Numbers to 20 | Bonds to 10 | Recognise 2-D and 3-D shapes |
| Count objects to 100 by making 10s | Fact families - addition and subtraction bonds within 20 | Count sides on 2-D shapes |
| Recognise tens and ones | Related facts | Count vertices on 2-D shapes |
| Use a place value chart | Bonds to 100 (tens) | Draw 2-D shapes |
| Partition numbers to 100 | Add and subtract 1s | Lines of symmetry on shapes |
| Write numbers to 100 in words | Add by making 10 | Use lines of symmetry to complete shapes |
| Flexibly partition numbers to 100 | Add three 1-digit numbers | Sort 2-D shapes |
| Write numbers to 100 in expanded form | Add to the next 10 | Count faces on 3D shapes |
| 10s on the number line to 100 | Add across a 10 | Count edges on 3-D shapes |
| 10s and 1s on the number line to 100 | Subtract across 10 | Count vertices on 3-D shapes |
| Estimate numbers on a number line | Subtract from a 10 | Sort 3-D shapes |
| Compare objects Step | Subtract a 1-digit number from a 2-digit number (across a 10) | Make patterns with 2-D and 3-D shapes |
| Compare numbers | 10 more, 10 less |  |
| Order objects and numbers | Add and subtract 10s |  |
| Count in 2s, 5s and 10s | Add two 2-digit numbers (not across a 10) |  |
| Count in 3s | Add two 2-digit numbers (across a 10) |  |
|  | Subtract two 2-digit numbers (not across a 10) |  |
|  | Subtract two 2-digit numbers (across a 10) |  |
|  | Mixed addition and subtraction |  |
|  | Compare number sentences |  |
|  | Missing number problems |  |

AUTUMN PLANNING YEAR 3

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| Unit 1 - Place Value | Unit 2 - Addition and Subtraction | Unit 3 - Multiplication and Division A |
| Represent numbers to 100 | Apply number bonds within 10 | Multiplication – equal groups |
| Partition numbers to 100 | Add and subtract 1s | Use arrays |
| Number line to 100 | Add and subtract 10s | Multiples of 2 |
| Hundreds | Add and subtract 100s | Multiples of 5 and 10 |
| Represent numbers to 1,000 | Spot the pattern | Sharing and grouping |
| Partition numbers to 1,000 | Add 1s across a 10 | Multiply by 3 |
| Flexible partitioning of numbers to 1,000 | Add 10s across a 100 | Divide by 3 |
| Hundreds, tens and ones | Subtract 1s across a 10 | The 3 times-table |
| Find 1, 10 or 100 more or less | Subtract 10s across a 100 | Multiply by 4 |
| Number line to 1,000 | Make connections | Divide by 4 |
| Estimate on a number line to 1,000 | Add two numbers (no exchange) | The 4 times-table |
| Compare numbers to 1,000 | Subtract two numbers (no exchange) | Multiply by 8 |
| Order numbers to 1,000 | Add two numbers (across a 10) | Divide by 8 |
| Count in 50s | Add two numbers (across a 100) | The 8 times-table |
|  | Subtract two numbers (across a 10) | The 2, 4 and 8 times-tables |
|  | 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 |  |

AUTUMN PLANNING YEAR 4

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| Unit 1 - Place Value | Unit 2 - Addition and Subtraction | Unit 3 - Measurement - Area | Unit 4 - Multiplication and Division A |
| Represent numbers to 1,000 | Add and subtract 1s, 10s, 100s and 1,000s | What is area? | Multiples of 3 |
| Partition numbers to 1,000 | Add up to two 4-digit numbers – no exchange | Count squares | Multiply and divide by 6 |
| Number line to 1,000 | Add two 4-digit numbers – one exchange | Make shapes | 6 times-table and division facts |
| Thousands | Add two 4-digit numbers – more than one exchange | Compare areas | Multiply and divide by 9 |
| Represent numbers to 10,000 | Subtract two 4-digit numbers – no exchange |  | 9 times-table and division facts |
| Partition numbers to 10,000 | Subtract two 4-digit numbers – one exchange |  | The 3, 6 and 9 times-tables |
| Flexible partitioning of numbers to 10,000 | Subtract two 4-digit numbers – more than one exchange |  | Multiply and divide by 7 |
| Find 1, 10, 100, 1,000 more or less | Efficient subtraction |  | 7 times-table and division facts |
| Number line to 10,000 | Estimate answers |  | 11 times-table and division facts |
| Estimate on a number line to 10,000 | Checking strategies |  | 12 times-table and division facts |
| Compare numbers to 10,000 |  |  | Multiply by 1 and 0 |
| Order numbers to 10,000 |  |  | Divide a number by 1 and itself |
| Roman numerals |  |  | Multiply three numbers |
| Round to the nearest 10 |  |  |  |
| Round to the nearest 100 |  |  |  |
| Round to the nearest 1,000 |  |  |  |
| Round to the nearest 10, 100 or 1,000 |  |  |  |

AUTUMN PLANNING YEAR 5

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| Unit 1 - Place Value | Unit 2 - Addition and Subtraction | Unit 3 - Multiplication and divisionA | Unit 4 - Fractions A |
| Roman numerals to 1,000 | Mental strategies | Multiples | Find fractions equivalent to a unit fraction |
| Numbers to 10,000 | Add whole numbers with more than four digits | Common multiples | Find fractions equivalent to a non-unit fraction |
| Numbers to 100,000 | Subtract whole numbers with more than four digits | Factors | Recognise equivalent fractions |
| Numbers to 1,000,000 | Round to check answers | Common factors | Convert improper fractions to mixed numbers |
| Read and write numbers to 1,000,000 | Inverse operations (addition and subtraction) | Prime numbers | Convert mixed numbers to improper fractions |
| Powers of 10 | Multi-step addition and subtraction problems | Square numbers | Compare fractions less than 1 |
| 10/ 100/ 1,000/ 10,000/ 100,000 more or less | Compare calculations | Cube numbers | Order fractions less than 1 |
| Partition numbers to 1,000,000 | Find missing numbers | Multiply by 10, 100 and 1,000 | Compare and order fractions greater than 1 |
| Number line to 1,000,000 |  | Divide by 10, 100 and 1,000 | Add and subtract fractions with the same denominator |
| Compare and order numbers to 100,000 |  | Multiples of 10, 100 and 1,000 | Add fractions within 1 |
| Compare and order numbers to 1,000,000 |  |  | Add fractions with total greater than 1 |
| Round to the nearest 10, 100 or 1,000 |  |  | Add to a mixed number |
| Round within 100,000 |  |  | Add two mixed numbers |
| Round within 1,000,000 |  |  | Subtract fractions |
|  |  |  | Subtract from a mixed number |
|  |  |  | Subtract from a mixed number – breaking the whole |
|  |  |  | Subtract two mixed numbers |

AUTUMN PLANNING YEAR 6

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| Unit 1 - Place Value | Unit 2 - Addition, Subtraction, Multiplication and Division | Unit 3 - Fractions A | Unit 4 - Fractions B | Unit 5 - Measurements – Converting units |
| Numbers to 1,000,000 | Add and subtract integers | Equivalent fractions and simplifying | Multiply fractions by integers | Metric measures |
| Numbers to 10,000,000 | Common factors | Equivalent fractions on a number line | Multiply fractions by fractions | Convert metric measures |
| Read and write numbers to 10,000,000 | Common multiples | Compare and order (denominator) | Divide a fraction by an integer | Calculate with metric measures |
| Powers of 10 | Rules of divisibility | Compare and order (numerator) | Divide any fraction by an integer | Miles and kilometres |
| Number line to 10,000,000 | Primes to 100 | Add and subtract simple fractions | Mixed questions with fractions | Imperial measures |
| Compare and order any integers | Square and cube numbers | Add and subtract any two fractions | Fraction of an amount |  |
| Round any integer | Multiply up to a 4-digit number by a 2-digit number | Add mixed numbers | Fraction of an amount – find the whole |  |
| Negative numbers | Solve problems with multiplication | Subtract mixed numbers |  |  |
|  | Short division | Multi-step problems |  |  |
|  | Division using factors |  |  |  |
|  | Introduction to long division |  |  |  |
|  | Long division with remainders |  |  |  |
|  | Solve problems with division |  |  |  |
|  | Solve multi-step problems |  |  |  |
|  | Order of operations |  |  |  |
|  | Mental calculations and estimation |  |  |  |
|  | Reason from known facts |  |  |  |