|  |  |  |
| --- | --- | --- |
| **Number** | **Geometry and Measure** | **Algebra** |
| **Statistics** | **Probability** | **Ratio and Proportion** |

**CURRICULUM OVERVIEW 2024 – 2025 YEAR 5**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **YR 5** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
|  | **Units** * Place value (Week 1-3)
* Addition & Subtraction

(Week 4-5) | **Units** * Multiplication&division A (Weeks 6-8)
* Fractions Week (9-12)
 | **Units*** Multiplication and Division

(week 1-3)* Fractions

(wk 4-6)  | **Units*** Decimals & Percentage (week 6-8)
* Perimeter & area

(week 9-10)* Statistics (weeks 11-12)
 | **Units*** Shape (wk 1-3)
* Position & Direction (4-5)
* Decimals (week 6-8)
 | **Units*** Negative Number wk 9
* Measure - Converting Units (week 10-11)
* Measurement volume

(week 12) |
| **Key new knowledge** | **Place Value*** Roman numerals to 1,000
* Numbers to 10,000
* Numbers to 100,000
* Numbers to 1million
* Read and write numbers to 1million
* Powers of 10
* 10/100/1,000/10,000/100,000 more or less
* Partition numbers to 1,000,00
* Number line to 1,000,000
* Compare and order numbers to 1,000,000
* Round to the nearest 10, 100 or 1,000
* Round within 100,000
* Round within 1,000,000

**Addition and Subtraction*** Mental strategies
* Add whole numbers with more than four digits
* Subtract whole numbers with more than four digits
* Round to check answers
* Inverse operations
* Multi-step addition and subtraction problems
* Find missing numbers
 | **Multiplication & division*** Multiples and Common multiples
* Factors and common factors
* Prime, Square, Cubes
* Multiply by 10, 100 and 1,000
* Divide by 10, 100 and 1,000
* Multiples of 10, 100 and 1,000

**Fractions*** Find fractions equivalent to a unit and no unit fraction.
* Recognise equivalent fractions
* Convert improper fractions to mixed numbers vice versa
* Compare and order fraction less than 1.
* Compare and order fractions greater than 1
* Add and subtract fractions with the same denominator
* Add and subtract fractions
 | **Multiplication and Division*** Multiply up to a 4-digit number by a 1-digit number
* Multiply a 2-digit number by a 2-digit number (area model)
* Multiply a 2-digit number by a 2-digit number
* Multiply a 3-digit number by a 2-digit numberMultiply a 4-digit number by a 2-digit number
* Solve problems with multiplication
* Short division
* Divide a 4-digit number by a 1-digit number
* Divide with remainders
* Efficient division
* Solve problems with multiplication and division

**Fractions*** Multiply a unit fraction by an integer
* Multiply a non-unit fraction by an integer
* Multiply a mixed number by an integer
* Calculate a fraction of a quantity
* Fraction of an amount
* Find the whole
* Use fractions as operators
 | **Decimals and Percentages*** Decimals up to 2 decimal places
* Equivalent fractions and decimals (tenths)
* Equivalent fractions and decimals (hundredths)
* Equivalent fractions and decimals
* Thousandths as fractions & decimals
* Thousandths on a place value chart
* Order and compare decimals (same number of decimal places)
* Order and compare decimals up to 3dp
* Round to the nearest whole number
* Round to 1 decimal place
* Understand %
* Percent as fractions
* Percent as decimals
* Equivalent fractions, decimals and percentages

**Statistics*** Draw, read & interpret line graphs
* Read & interpret tables
* Read & interpret timetables
 | **Shape*** Understand and use degrees
* Classify angles
* Estimate angles
* Measure angles up to 180°
* Draw lines and angles accurately
* Calculate angles around a point
* Calculate angles on a straight line
* Lengths and angles in shapes
* Regular and irregular polygons
* 3d Shapes

**Position and Direction*** Read and plot coord
* Problem solving w coord
* Translation with coord
* Lines of symmetry
* Reflection in horizontal and vertical lines

**Decimals*** Add and subtract decimals within across 1
* Add & sub decimals with the same/different dp
* strategies for add/sub
* Decimal sequences
* Multiply & divide dec – missing values.
 | **Negative Number*** Understand negative numbers
* Count through zero in 1s
* Count through zero in multiples
* Compare & order negative numbers
* Find the difference

**Converting units*** Kilograms and kilometres
* Millimetres and millilitres
* Convert units of length
* Convert between metric and imperial units
* Convert units of time
* Calculate with timetables

 **Volume*** Cubic centimetres
* Compare volume
* Estimate volume
* Estimate capacity
 |
| **Assessments** | Arithmetic TestProblem Solving and Reasoning Test | Arithmetic TestProblem Solving and Reasoning Test/Consolidation | Arithmetic TestProblem Solving and Reasoning Test | Arithmetic TestProblem Solving and Reasoning Test | Arithmetic TestProblem Solving and Reasoning Test | Arithmetic TestProblem Solving and Reasoning Test/Consolidation |