

## Maths Overview

### Year 4

	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	Week 15
Autumn	Number <b>Place value</b>				Number <b>Addition and subtraction</b>  links to pv			Measurement <b>Area</b>	Number <b>Multiplication and division A</b>			Geometry <b>Angles</b>	Statistics  links to + -	Assessment week and consolidation	Overflow week
Spring	Number <b>Multiplication and division B</b>  links to pv and $\times \div$			Measurement <b>Length and perimeter</b>  links to + -	Number <b>Fractions</b>  links to pv				Geometry <b>2D shape</b>  links to angles, length and perimeter	Assessment week and consolidation					
Summer	Number <b>Decimals A</b>  links to pv and fractions			Measurement <b>Time</b>	Number <b>Decimals B</b>  links to pv and fractions		Measurement <b>Money</b>  links to pv and +		Geometry <b>Symmetry</b>  links to 2D shape	Geometry <b>Position and direction</b>  links to 2D shape		Assessment week and consolidation			

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#### Small steps Autumn

##### Place value

- Represent numbers to 1,000
- Partition numbers to 1,000
- Number line to 1,000
- Thousands
- Represent numbers to 10,000
- Partition numbers to 10,000
- Flexible partitioning of numbers to 10,000
- Find 1, 10, 100, 1,000 more or less
- Number line to 10,000
- Estimate on a number line to 10,000
- Compare numbers to 10,000
- Order numbers to 10,000
- Roman numerals
- 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

##### Addition and subtraction

- Add and subtract 1s, 10s, 100s and 1,000s
- Add up to two 4-digit numbers – no exchange
- Add two 4-digit numbers – one exchange
- Add two 4-digit numbers – more than one exchange
- Subtract two 4-digit numbers – no exchange
- Subtract two 4-digit numbers – one exchange
- Subtract two 4-digit numbers – more than one exchange
- Efficient subtraction
- Estimate answers
- Checking strategies

##### Area

- What is area?
- Find area by counting squares
- Make shapes with given areas
- Compare areas

##### Multiplication and division A

- Multiples of 3
- Multiply and divide by 6
- 6 times-table and division facts
- Multiply and divide by 9
- 9 times-table and division facts
- The 3, 6 and 9 times-tables
- Multiply and divide by 7
- 7 times-table and division facts
- 11 times-table and division facts
- 12 times-table and division facts
- Multiply by 1 and 0
- Divide a number by 1 and itself
- Multiply three numbers

##### Angles

- Understand angles as turns
- Identify angles
- Compare and order angles

##### Statistics

- Interpret charts
- Comparison, sum and difference
- Interpret line graphs
- Draw line graphs

## Maths Overview

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#### Small steps Spring

##### **Multiplication and division B**

- Factor pairs
- Use factor pairs
- Multiply by 10
- Multiply by 100
- Divide by 10
- Divide by 100
- Related facts – multiplication and division
- Informal written methods for multiplication
- Multiply a 2-digit number by a 1-digit number
- Multiply a 3-digit number by a 1-digit number
- Divide a 2-digit number by a 1-digit number (1)
- Divide a 2-digit number by a 1-digit number (2)
- Divide a 3-digit number by a 1-digit number
- Correspondence problems
- Efficient multiplication

##### **Length and perimeter**

- Measure in kilometres and metres
- Equivalent lengths (kilometres and metres)
- Perimeter on a grid
- Perimeter of a rectangle
- Perimeter of rectilinear shapes
- Find missing lengths in rectilinear shapes
- Calculate perimeter of rectilinear shapes
- Perimeter of regular polygons
- Perimeter of polygons

##### **Fractions**

- Understand the whole
- Count beyond 1
- Partition a mixed number
- Number lines with mixed numbers
- Compare and order mixed numbers
- Understand improper fractions
- Convert mixed numbers to improper fractions
- Convert improper fractions to mixed numbers
- Equivalent fractions on a number line
- Equivalent fraction families
- Add two or more fractions
- Add fractions and mixed numbers
- Subtract two fractions
- Subtract from whole amounts
- Subtract from mixed numbers

##### **2D shape**

- Triangles
- Quadrilaterals
- Polygons

## Maths Overview

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#### Small steps Summer

##### **Decimals A**

- Tenths as fractions
- Tenths as decimals
- Tenths on a place value chart
- Tenths on a number line
- Divide a 1-digit number by 10
- Divide a 2-digit number by 10
- Hundredths as fractions
- Hundredths as decimals
- Hundredths on a place value chart
- Divide a 1- or 2-digit number by 100

##### **Time**

- Years, months, weeks and days
- Hours, minutes and seconds
- Convert between analogue and digital times
- Convert to the 24-hour clock
- Convert from the 24-hour clock

##### **Decimals B**

- Make a whole with tenths
- Make a whole with hundredths
- Partition decimals
- Flexibly partition decimals
- Compare decimals
- Order decimals
- Round to the nearest whole number
- Halves and quarters as decimals

##### **Money**

- Write money using decimals
- Convert between pounds and pence
- Compare amounts of money
- Estimate with money
- Calculate with money
- Solve problems with money

##### **Symmetry**

- Lines of symmetry
- Complete a symmetric figure

##### **Position and direction**

- Describe position using coordinates
- Plot coordinates
- Draw 2-D shapes on a grid
- Translate on a grid
- Describe translation on a grid