

Maths Overview

Year 3



	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 Place value			Number Addition and subtraction links to place value				Number Multiplication and division A				Geometry Lines	Assessment week and consolidation	Overflow week	
Spring	Geometry Angles links to lines	Number Multiplication and division B links to pv and $\times \div$			Measurement Length and perimeter links to lines and + -		Number Fractions A links to pv			Assessment week and consolidation					
Summer	Measurement Mass and capacity links to pv and + -		Number Fractions B links to pv and fractions		Measurement Money links to pv and + -		Measurement Time			Geometry 2D and 3D shape links to lines and angles		Statistics	Assessment week and consolidation		

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Small steps Autumn

Place value

- Represent numbers to 100
- Partition numbers to 100
- Number line to 100
- Hundreds
- Represent numbers to 1,000
- Partition numbers to 1,000
- Flexible partitioning of numbers to 1,000
- Hundreds, tens and ones
- Find 1, 10 or 100 more or less
- Number line to 1,000
- Estimate on a number line to 1,000
- Compare numbers to 1,000
- Order numbers to 1,000
- Count in 50s

Addition and subtraction

- Apply number bonds within 10
- Add and subtract 1s
- Add and subtract 10s
- Add and subtract 100s
- Spot the pattern
- Add 1s across a 10
- Add 10s across a 100
- Subtract 1s across a 10
- Subtract 10s across a 100
- Make connections between calculations
- Add two numbers (no exchange)
- Subtract two numbers (no exchange)
- Add two numbers (across a 10)
- Add two numbers (across a 100)
- Subtract two numbers (across a 10)
- 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 about operations and methods

Multiplication and division A

- Multiplication – equal groups
- Use arrays
- Multiples of 2
- Multiples of 5 and 10
- Sharing and grouping
- Multiply by 3
- Divide by 3
- The 3 times-table
- Multiply by 4
- Divide by 4
- The 4 times-table
- Multiply by 8
- Divide by 8
- The 8 times-table
- The 2, 4 and 8 times-tables

Lines

- Measure and draw lines accurately
- Horizontal and vertical lines
- Parallel and perpendicular lines

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Small steps Spring

Angles

- Turns and angles
- Right angles
- Compare angles

Multiplication and division B

- Multiples of 10
- Related calculations
- Reasoning about multiplication
- Multiply a 2-digit number by a 1-digit number – no exchange
- Multiply a 2-digit number by a 1-digit number – with exchange
- Link multiplication and division
- Divide a 2-digit number by a 1-digit number – no exchange
- Divide a 2-digit number by a 1-digit number – flexible partitioning
- Divide a 2-digit number by a 1-digit number – with remainders
- Scaling
- How many ways? Correspondence problems

Length and perimeter

- Measure in metres and centimetres
- Measure in millimetres
- Measure in centimetres and millimetres
- Metres, centimetres and millimetres
- Equivalent lengths (metres and centimetres)
- Equivalent lengths (centimetres and millimetres)
- Compare lengths
- Add lengths
- Subtract lengths
- What is perimeter?
- Measure perimeter
- Calculate perimeter

Fractions A

- Understand the denominators of unit fractions
- Compare and order unit fractions
- Understand the numerators of non-unit fractions
- Understand the whole
- Compare and order non-unit fractions
- Fractions and scales
- Fractions on a number line
- Count in fractions on a number line
- Equivalent fractions on a number line
- Equivalent fractions as bar models

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Small steps Summer

Mass and capacity

- Use scales
- Measure mass in grams
- Measure mass in kilograms and grams
- Equivalent masses (kilograms and grams)
- Compare mass
- Add and subtract mass
- Measure capacity and volume in millilitres
- Measure capacity and volume in litres and millilitres
- Equivalent capacities and volumes (litres and millilitres)
- Compare capacity and volume
- Add and subtract capacity and volume

Fractions B

- Add fractions
- Subtract fractions
- Partition the whole
- Unit fractions of a set of objects
- Non-unit fractions of a set of objects
- Reasoning with fractions of an amount

Money

- Pounds and pence
- Convert pounds and pence
- Add money
- Subtract money
- Find change

Time

- Roman numerals to 12
- Tell the time to 5 minutes
- Tell the time to the minute
- Read time on a digital clock
- Use am and pm
- Years, months and days
- Days and hours
- Hours and minutes – use start and end times
- Hours and minutes - use durations
- Minutes and seconds
- Units of time
- Solve problems with time

2D and 3D shape

- Recognise and describe 2-D shapes
- Draw polygons
- Recognise and describe 3-D shapes
- Make 3-D shapes

Statistics

- Interpret pictograms
- Draw pictograms
- Interpret bar charts
- Draw bar charts
- Collect and represent data
- Two-way tables