#theJSway

Year 3 – Small steps

Autumn Term

Place Value

Step 1 - Represent numbers to 100
Step 2 - Partition numbers to 100
Step 3 - Number line to 100
Step 4 - Hundreds
Step 5 - Represent numbers to 1,000
Step 6 - Partition numbers to 1,000
Step 7 - Flexible partitioning of numbers to 1,000
Step 8 - Hundreds, tens & ones
Step 9 - Find 1, 10 or 100 more or less
Step 10 - Number line to 1,000
Step 11 - Estimate on a number line to 1,000
Step 12 - Compare numbers to 1,000
Step 13 - Order numbers to 1,000
Step 14 - Count in 50s

Addition & Subtraction

Step 1 - Apply number bonds within 10
Step 2 - Add and subtract 1s
Step 3 - Add and subtract 10s
Step 4 - Add and subtract 100s
Step 5 - Spot the pattern
Step 6 - Add 1s across a 10
Step 7 - Add 10s across a 100
Step 8 - Subtract 1s across a 10
Step 9 - Subtract 10s across a 100
Step 10 - Make connections
Step 11 - Add two numbers (no exchange)
Step 12 - Subtract two numbers (no exchange)
Step 13 - Add two numbers (across a 10)
Step 14 - Add two numbers (across a 100)
Step 15 - Subtract two numbers (across a 10)
Step 16 - Subtract two numbers (across a 100)
Step 17 - Add 2-digit and 3-digit numbers
Step 18 - Subtract a 2-digit number from a 3-digit number
Step 19 - Complements to 100
Step 20 - Estimate answers
Step 21 - Inverse operations
Step 22 - Make decisions

Year 3 – Small steps

Multiplication & Division A

Step 1 - Multiplication – equal groups
Step 2 - Use arrays
Step 3 - Multiples of 2
Step 4 - Multiples of 5 and 10
Step 5 - Sharing and grouping
Step 6 - Multiply by 3
Step 7 - Divide by 3
Step 8 - The 3 times-table
Step 9 - Multiply by 4
Step 10 - Divide by 4
Step 11 - The 4 times-table
Step 12 - Multiply by 8
Step 13 - Divide by 8
Step 14 - The 8 times-table
Step 15 - The 2, 4 and 8 times-tables

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Year 3 – Small steps

Spring Term

Multiplication & Division B

Step 1 - Multiples of 10
Step 2 - Related calculations
Step 3 - Reasoning about multiplication
Step 4 - Multiply a 2-digit number by a 1-digit number – no exchange
Step 5 - Multiply a 2-digit number by a 1-digit number – with exchange
Step 6 - Link multiplication and division
Step 7 - Divide a 2-digit number by a 1-digit number – no exchange
Step 8 - Divide a 2-digit number by a 1-digit number – flexible partitioning
Step 9 - Divide a 2-digit number by a 1-digit number – with remainders
Step 10 - Scaling
Step 11 - How many ways?

Measurement: Length & Perimeter

Step 1 - Measure in metres and centimetres
Step 2 - Measure in millimetres
Step 3 - Measure in centimetres and millimetres
Step 4 - Metres, centimetres and millimetres
Step 5 - Equivalent lengths (metres and centimetres)
Step 6 - Equivalent lengths (centimetres and millimetres)
Step 7 - Compare lengths
Step 8 - Add lengths
Step 9 - Subtract lengths
Step 10 - What is perimeter?
Step 11 - Measure perimeter
Step 12 - Calculate perimeter

Fractions A

Step 1 - Understand the denominators of unit fractions
Step 2 - Compare and order unit fractions
Step 3 - Understand the numerators of non-unit fractions
Step 4 - Understand the whole
Step 5 - Compare and order non-unit fractions
Step 6 - Fractions and scales
Step 7 - Fractions on a number line
Step 8 - Count in fractions on a number line
Step 9 - Equivalent fractions on a number line
Step 10 - Equivalent fractions as bar models

Measurement: Mass & Capacity

Step 1 - Use scales
Step 2 - Measure mass in grams
Step 3 - Measure mass in kilograms and grams
Step 4 - Equivalent masses (kilograms and grams)
Step 5 - Compare mass
Step 6 - Add and subtract mass
Step 7 - Measure capacity and volume in millilitres
Step 8 - Measure capacity and volume in litres and millilitres
Step 9 - Equivalent capacities and volumes (litres and millilitres)
Step 10 - Compare capacity and volume
Step 11 - Add and subtract capacity and volume

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Year 3 – Small steps

Summer Term

Fractions B

Step 1 - Add fractions
Step 2 - Subtract fractions
Step 3 - Partition the whole
Step 4 - Unit fractions of a set of objects
Step 5 - Non-unit fractions of a set of objects
Step 6 - Reasoning with fractions of an amount

Measurement: Money

Step 1 - Pounds and pence
Step 2 - Convert pounds and pence
Step 3 - Add money
Step 4 - Subtract money
Step 5 - Find change

Measurement: Time

Step 1 - Roman numerals to 12
Step 2 - Tell the time to 5 minutes
Step 3 - Tell the time to the minute
Step 4 - Read time on a digital clock
Step 5 - Use am and pm
Step 6 - Years, months and days
Step 7 - Days and hours
Step 8 - Hours and minutes – use start and end times
Step 9 - Hours and minutes - use durations
Step 10 - Minutes and seconds
Step 11 - Units of time
Step 12 - Solve problems with time

Geometry: Shape

Step 1 - Turns and angles
Step 2 - Right angles
Step 3 - Compare angles
Step 4 - Measure and draw accurately
Step 5 - Horizontal and vertical
Step 6 - Parallel and perpendicular
Step 7 - Recognise and describe 2-D shapes
Step 8 - Draw polygons
Step 9 - Recognise and describe 3-D shapes
Step 10 - Make 3-D shapes

Statistics

Step 1 - Interpret pictograms
Step 2 - Draw pictograms
Step 3 - Interpret bar charts
Step 4 - Draw bar charts
Step 5 - Collect and represent data
Step 6 - Two-way tables