

# Year 3 Sequenced Maths Journey



Intent . . . We Can, We Will

ALL Children Make  
Exceptional Progress



Literacy is the Key  
to Unlocking Learning



Fun with Memorable  
Moments



Feeling Safe and  
Ready to Learn



Empowered and  
Autonomous



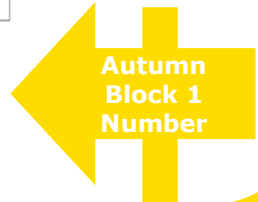
Kind to Self and  
Others



All Pupils



Hundreds	Tens	Ones
H	T	O



## Place Value

Understand hundreds, tens and ones

Understand how to flexibly partition numbers to 1,000

Partition numbers to 1,000

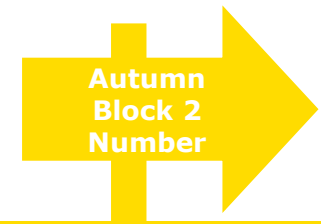
Represent numbers to 1,000

Understand the composition of multiples of 100

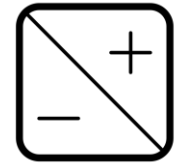
Understand number lines to 100

Partition numbers to 100

Represent numbers to 100



## Addition & Subtraction



Find 1, 10, 100 more or less

Understand number lines to 1,000

Estimate on a number line to 1,000

Compare numbers to 1,000

Order numbers to 1,000

Count in 50s

Add two numbers with no exchange

Make connections between calculations

Subtract 10s across a 100

Subtract 1s across a 10

Add 10s across a 100

Add 1s across a 10

Spot patterns when adding and subtracting 1s, 10s, 100s

Add and subtract 10s

Add and subtract 1's

Apply number bonds within 10

# Year 3

Subtract two numbers with 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 from a 3-digit number

Understand complements to 100

Understand how to estimate answers

Use the inverse relationship between adding and subtracting

Make decisions about which operation to use



## Multiplication & Division

Autumn Block 3 Number

Understand how to divide by 3

Understand how to multiply by 3

Understand division by sharing and grouping

Recall multiples of 5 and 10

Recall multiples of 2

Understand how to use arrays

Understand multiplication as equal groups

Recall the 3 X table

Understand how to multiply by 4

Understand how to divide by 4

Recall the 4 X table

Understand how to multiply by 8

Understand how to divide by 8

Recall the 8 X table

Consolidate the 2X, 4X and 8X table

# Year 3

Link multiplication and division

Multiply a 2-digit number by a 1-digit number – with exchange

Multiply a 2-digit number by a 1-digit number – no exchange

Reasoning about multiplication

Related calculations

Multiples of 10

# **× ÷** **Multiplication & Division**

**Spring Block 1 Number**

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?

**Spring Block 2 Measurement**

# **↔ ↻** **Length & Perimeter**

Measure in metres and centimetres

Measure in millimetres

Calculate perimeter

Measure perimeter

What is perimeter?

Subtract lengths

Add lengths

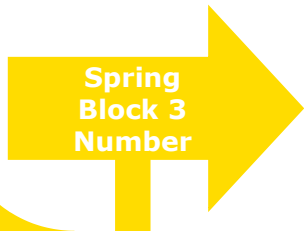
Compare lengths

Equivalent lengths (centimetres and millimetres)

Equivalent lengths (metres and centimetres)

Metres, centimetres and millimetres

# **Year 3**



## Fractions

Understand the denominators of unit fractions

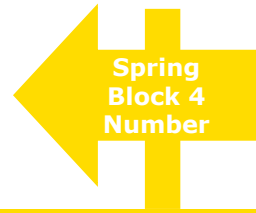
Compare and order unit fractions

Understand the numerators of non-unit fractions

Understand the whole

Compare and order non-unit fractions

Fractions and scales



## Mass & Capacity

Measure mass in kilograms and grams

Measure mass in grams

Use scales

Equivalent fractions as bar models

Equivalent fractions on a number line

Count in fractions on a number line

Fractions on a number line

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

Reasoning with fractions of an amount

Non unit fractions of a set of objects

Unit fractions of a set of objects

Partition the Whole

Subtract fractions

Add fractions



## Fractions

Summer Block 1 Fractions

Summer Block 2 Money



## Money

Pounds and pence

Convert pounds and pence

Add money

Subtract money

Finding change

Years, Months and Days

Using AM and PM

Read time on a digital clock

Tell the time to the nearest minute

Tell the time to 5 minutes

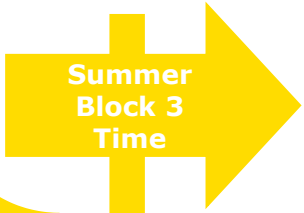
Roman numerals to 12



## Time

Summer Block 3 Time

# Year 3



## Time

Days and Hours

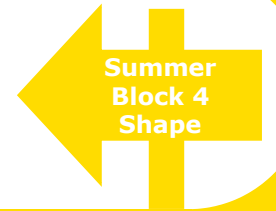
Hours and minutes - use start and end times

Hours and minutes - use durations

Minutes and seconds

Units of time

Solve problems with time



## Shape

Recognise and describe 3D shapes

Recognise and describe 2D shapes

Parallel and perpendicular

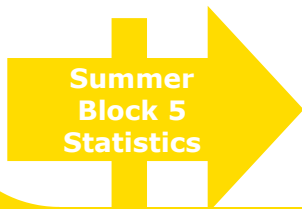
Horizontal and vertical

Measure and draw accurately

Compare angles

Right angles

Turns and angles



## Statistics

Interpret pictograms

Draw pictograms

Interpret bar charts

Draw bar charts

Collect and represent data

Two-way tables

# Year 3 Sequenced Maths Journey

Outcomes . . . We Can, We Will

All Pupils



Long Term Retention  
of Knowledge



Long Term Retention  
of Skills



Social & Emotional  
Enrichment



Passion and Skills for  
Life Long Learning



Kind, Positive  
Members of Society

