St Patrick's RC Primary School

Mathematics Planning

Year 1

Revised July 2021

Year 1
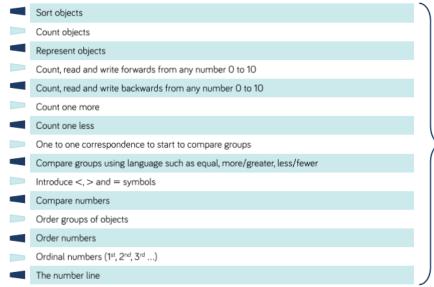
Yearly Planning

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value (within 10)				Number: Addition and Subtraction (within 10)				Geometry: Shape	Number: Place Value (within 20)		Consolidation
Spring	Number: Addition and Subtraction (within 20)				Number: Place Value (within 50) (Multiples of 2, 5 and 10 included)			Measurement: Length and Height		Measurement: Weight and Volume		Consolidation
Summer	Number: Multiplication and Division (Reinforce multiples of 2, 5 and 10 to be included)			Number: Fractions		Geometry: Position and Direction	Number: Place Value (within 100)		Measurement: Money	Measurement: Time		Consolidation

Termly Planning – Autumn

Year 1 | Autumn Term | Week 1 to 4 – Number: Place Value

Overview
Small Steps

NC Objectives

- Sort objects
- Count objects
- Represent objects
- Count, read and write forwards from any number 0 to 10
- Count, read and write backwards from any number 0 to 10
- Count one more
- Count one less
- One to one correspondence to start to compare groups
- Compare groups using language such as equal, more/greater, less/fewer
- Introduce <, > and = symbols
- Compare numbers
- Order groups of objects
- Order numbers
- Ordinal numbers (1st, 2nd, 3rd ...)
- The number line

Count to ten, forwards and backwards, beginning with 0 or 1, or from any given number.
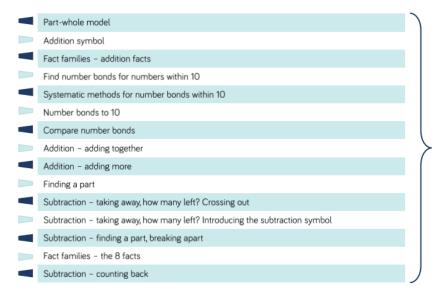
Count, read and write numbers to 10 in numerals and words.

Given a number, identify one more or one less.

Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.

Year 1 | Autumn Term | Week 5 to 8 – Number: Addition & Subtraction

Overview
Small Steps

- Part-whole model
- Addition symbol
- Fact families – addition facts
- Find number bonds for numbers within 10
- Systematic methods for number bonds within 10
- Number bonds to 10
- Compare number bonds
- Addition – adding together
- Addition – adding more
- Finding a part
- Subtraction – taking away, how many left? Crossing out
- Subtraction – taking away, how many left? Introducing the subtraction symbol
- Subtraction – finding a part, breaking apart
- Fact families – the 8 facts
- Subtraction – counting back

Represent and use number bonds and related subtraction facts **within 10**

Read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs.
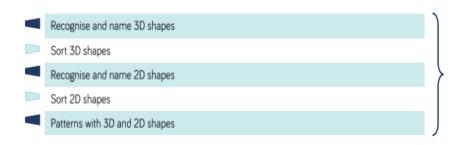
Add and subtract one digit numbers **to 10**, including zero.

Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.

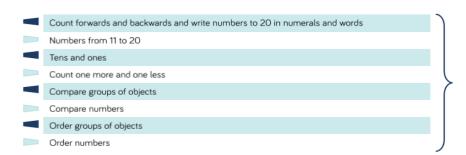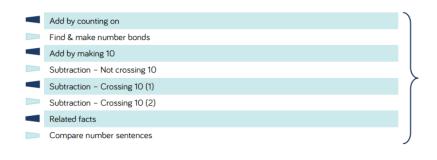## Year 1 | Autumn Term | Week 9 – Geometry: Shape

Overview
Small Steps

NC Objectives

- Recognise and name 3D shapes
- Sort 3D shapes
- Recognise and name 2D shapes
- Sort 2D shapes
- Patterns with 3D and 2D shapes

Recognise and name common 2-D shapes, including: (for example, rectangles (including squares), circles and triangles)

Recognise and name common 3-D shapes including: (for example, cuboids (including cubes), pyramids and spheres)

Year 1 | Autumn Term | Week 10 to 11 – Number: Place Value (within 20)

Overview
Small Steps

Count forwards and backwards and write numbers to 20 in numerals and words

Numbers from 11 to 20

Tens and ones

Count one more and one less

Compare groups of objects

Compare numbers

Order groups of objects

Order numbers

NC Objectives

Count to <u>twenty</u>, forwards and backwards, beginning with 0 or 1, from any given number.

Count, read and write numbers to <u>20</u> in numerals and words.

Given a number, identify one more or one less.

Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.

Termly Planning - Spring

Year 1 | Spring Term | Week 1 to 4 – Number: Addition & Subtraction

Overview
Small Steps

Add by counting on

Find & make number bonds

Add by making 10

Subtraction – Not crossing 10

Subtraction – Crossing 10 (1)

Subtraction – Crossing 10 (2)

Related facts

Compare number sentences

NC Objectives

Represent and use number bonds and related subtraction facts within 20

Read, write and interpret mathematical statements involving addition (+), subtraction (−) and equals (=) signs.
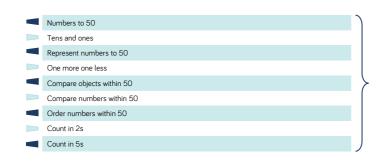
Add and subtract one-digit and two-digit numbers to 20, including zero.

Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$

Year 1 | Spring Term | Week 5 to 7 – Number: Place Value (within 50)

Overview
Small Steps

Numbers to 50

Tens and ones

Represent numbers to 50

One more one less

Compare objects within 50

Compare numbers within 50

Order numbers within 50

Count in 2s

Count in 5s

NC Objectives

Count to **50** forwards and backwards, beginning with 0 or 1, or from any number.

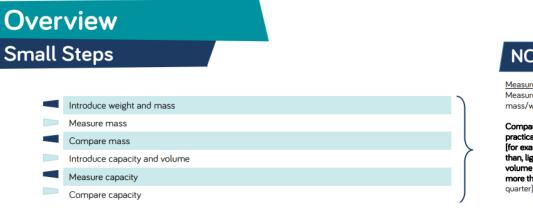Count, read and write numbers to **50** in numerals.

Given a number, identify one more or one less.

Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least.
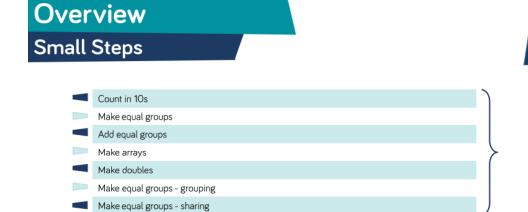
Count in multiples of twos, fives and tens.

Year 1 | Spring Term | Week 8 to 9 – Measurement: Length & Height

Overview
Small Steps

- Compare lengths and heights
- Measure length (1)
- Measure length (2)

NC Objectives

Measure and begin to record lengths and heights.

Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)

Year 1 | Spring Term | Week 10 to 11 – Measurement: Weight & Volume

Overview
Small Steps

- Introduce weight and mass
- Measure mass
- Compare mass
- Introduce capacity and volume
- Measure capacity
- Compare capacity

NC Objectives

Measurement: Weight and Volume Measure and begin to record mass/weight, capacity and volume.

Compare, describe and solve practical problems for mass/weight: [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
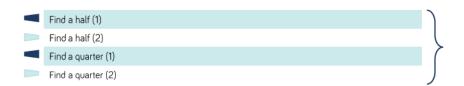
Termly Planning – Summer

Year 1 | Summer Term | Week 1 to 3 – Number: Multiplication and Division

Overview
Small Steps

- Count in 10s
- Make equal groups
- Add equal groups
- Make arrays
- Make doubles
- Make equal groups – grouping
- Make equal groups – sharing

NC Objectives

Count in multiples of twos, fives and tens.

Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

Year 1 | Summer Term | Week 4 to 5 – Number: Fractions

Overview
Small Steps

Find a half (1)
Find a half (2)
Find a quarter (1)
Find a quarter (2)

NC Objectives

Recognise, find and name a half as one of two equal parts of an object, shape or quantity.

Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)
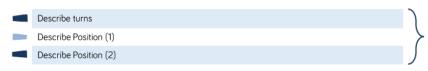
Compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than]; capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]

Year 1 | Summer Term | Week 6 – Geometry: Position & Direction

Overview
Small Steps

Describe turns
Describe Position (1)
Describe Position (2)

NC Objectives

Describe position, direction and movement, including whole, half, quarter and three quarter turns

Year 1 | Summer Term | Week 7 to 8 – Number: Place Value

Overview
Small Steps

Counting to 100
Partitioning numbers
Comparing numbers (1)
Comparing numbers (2)
Ordering numbers
One more, one less
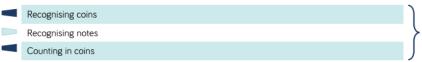
NC Objectives

Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.

Count, read and write numbers to 100 in numerals.

Given a number, identify one more and one less.

Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than, most, least.

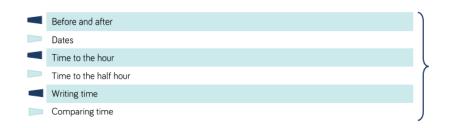Year 1 | Summer Term | Week 9– Measurement: Money

Overview
Small Steps

- Recognising coins
- Recognising notes
- Counting in coins

Recognise and know the value of different denominations of coins and notes.

Year 1 | Summer Term | Week 10 to 11 – Measurement: Time

Overview
Small Steps

NC Objectives

- Before and after
- Dates
- Time to the hour
- Time to the half hour
- Writing time
- Comparing time

Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening].

Recognise and use language relating to dates, including days of the week, weeks, months and years.

Tell the time to the hour and half past the hour and draw the hands or a clock face to show these times. Compare, describe and solve practical problems for time [for example, quicker, slower, earlier, later].

Measure and begin to record time (hours, minutes, seconds).