

Y1 Learning Sequence

Reception Revisited

For this introductory unit, if children only complete the basic fluency, it is enough.
For schools with children ready for more, the full less structure is available.

Learning Steps

Perceptually subitise
 Conceptually subitise
 Equality
 More & less
 Number formation 0 to 3
 Number formation 4 to 6
 Number formation 7 to 9
 Match numerals to quantities
 Count objects in a set to 5
 Count objects from a larger group to 5
 Ordinal numbers show position to 5
 Composition to 5
 Longer, taller & shorter
 Heavier & lighter
 Capacity
 Compose shapes
 Patterns

Y1 Maths Plan
Numbers to 10

Learning Steps

Prior learning check & remediation/deepening of prior

Count objects
Count objects from a larger group
Tens frame introduction
Represent amounts
Numbers as words
Count on from any number
Represent 6 – 10 as five and a bit
Part-part-whole introduction model
Partition numbers 6 - 10 in different ways using part-whole model
Bar model introduction
Partition numbers 6 - 10 in different ways using bar model
Partition numbers 6 - 10 systematically using part-whole model
Partition numbers to 6 - 10 systematically using bar model
Bar model missing wholes to 10
Bar model missing parts to 10
One more to 10
Count backwards within 10
One less to 10
Fewer, more, same
Less than, greater than, equal to
Compare amounts to 10
Order amounts to 10
Number lines to 10
Odd and even to 10

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: trial & improvement

Y1 Learning Sequence

Addition & Subtraction to 10

Learning Steps

Prior learning check & remediation/deepening of prior

Addends, Sums & Equations

Adding 1

Adding to 1

Subtracting 1

Adding 2 and Adding to 2

Subtracting 2

Adding 0 and adding to 0

Subtracting zero

Subtracting consecutive numbers

Subtracting a number from itself

Doubles to 10

Doubles to 10

Near doubles to 10

Near doubles to 10

Halves to 10

Halves to 10

7 Tree

9 Square

The 5, 3 and 8 Rectangle

Practice Lesson: addition facts within 10

Practice Lesson: subtraction facts within 10

Practice Lesson: mixed facts within 10

Explore inverse relationships (add to take)

Explore inverse relationships (take to add)

Addition fact families within 10

Subtraction fact families within 10

Missing number equations within 10 (given addition)

Missing number equations within 10 (given subtraction)

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: working collaboratively

Y1 Learning Sequence

Geometric Reasoning

Learning Steps

Prior learning check & remediation/deepening of prior

- Copy, extend, compose repeating patterns
- Copy, extend, compose radiating patterns
- Copy, extend, compose radiating patterns
- Compose tangram images
- Investigate tetromino and pentomino arrangements
- Explore and discuss circles including non-examples
- Explore and discuss triangles including non-examples
- Explore and discuss rectangles & squares including non-examples
- Compare and sort 2D shapes
- Identify 3D shapes
- 2D parts of 3D wholes
- Compare and sort 3D shapes
- Turns – left and right
- Forwards and backwards
- Above and below
- Ordinal numbers

PS Lesson: position and direction (more than one possibility)

Assessment

Pause & Stretch: re-assessment & deepening as required

Y1 Learning Sequence

Numbers to 20

Learning Steps

Prior learning check & remediation/deepening of prior

Understand 11, 12, 13

Understand 14, 15, 16

Understand 17, 18, 19, 20

Understand numbers 11 to 20 as part-part whole models

Understand numbers 11 to 20 as bar models

Understand numbers 11 to 20 on number lines

Odd and even to 20

Measure length to 20 non-standard

Measure length to 20 using cm

Measure mass to 20

Measure capacity to 20

PS Skills Lesson: measuring to 20 (real-life word)

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: working systematically

Y1 Learning Sequence

Addition & Subtraction to 20

Learning Steps

Prior learning check & remediation/deepening of prior

Ten and a bit addition

A bit and ten addition

Practice Lesson: ten and a bit / a bit and ten mixed addition

Ten and a bit subtraction (the bit)

Ten and a bit subtraction (the ten)

Practice Lesson: ten and a bit (bit/10) mixed subtraction

Practice Lesson: ten and a bit (bit/10) mixed addition & subtraction

Double & halve facts within 20

Using addition within 10 facts within 20 - concrete

Using addition within 10 facts within 20 – mental / abstract

Using subtraction within 10 facts within 20 - concrete

Using subtraction within 10 facts within 20 – mental / abstract

Practice Lesson: using facts within 10 to 20 mixed - abstract

PS Lesson: addition and subtraction facts to 20 (visual)

Assessment

Pause & Stretch: re-assessment & deepening as required

Y1 Learning Sequence

Counting to 100

Learning Steps

Prior learning check & remediation/deepening of prior

Counting in tens – decade numbers

Counting patterns within a decade

Crossing the 10s boundary counting forwards to 50

Crossing the 10s boundary counting backwards from 50

Crossing the 10s boundary counting forwards to 100

Crossing the 10s boundary counting backwards from 100

Counting patterns – midpoints between 10s

Counting patterns – midpoints within 10s

PS Lesson: counting to 100 (rules & patterns)

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: finding starting points

Y1 Learning Sequence

Unitising & Coin Recognition

Learning Steps

Prior learning check & remediation/deepening of prior

Count in groups of 2

Count in groups of 10

Count in groups of 5

Explain the value of a 1 pence coin

Explain the value of 2p, 5p and 10p coins

Explain that a single coin can be worth several pennies

PS Lesson: coins (real-life)

Calculate the total value of the coins in a set of 2p coins

Calculate the total value of the coins in a set of 5p coins

Calculate the total value of the coins in a set of 10p coins

Make amounts from 2p coins

Make amounts from 5p coins

Make amounts from 10p coins

Compare sets of 2p, 5p and 10p coins

PS Lesson: multiplication & money (more than one possibility)

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: visualising

Y1 Learning Sequence

Time

Learning Steps

Prior learning check & remediation/deepening of prior

Before and after

Days of the week

Months of the year

Assessment

Pause & Stretch: re-assessment & deepening as required

PS Skills Lesson: conjecture & generalising