



**Concept Sequence:**

**Numbers:**

Practise and consolidate key skills: subitising; counting; composition; sorting and matching; and comparing and ordering.

Adding More – Use First Then Now structure to see the quantity of groups can be changed by adding more. Use mathematical stories in context. At first, recount all items to see how many altogether. Use tens frames, number tracks and fingers.

Taking Away – Use real objects to see the quantity of a group can change by taking items away. Use First, Then, Now structure to create stories in meaningful contexts. Count items, take away, then subitise or count to see what is left. Use frames, tracks and fingers.

**Measure, Shape and Spatial Thinking:**

Spatial Reasoning 2 – combine/separate shapes to make new ones. Investigate making shapes using smaller shapes. Combine a given set in different ways.

**Vocabulary**

- Zero, One, Two, Three... twenty.....
- How many?
- Show me x. Show me x more.
- Can you make the same as me? Do you need any more?
- Add, more, total, altogether
- One more/less.....ten more/less
- How many more to make...?
- How many more is .... Than...?
- Take away
- How may are left/over? How many fewer is...than...?
- Difference
- I think there's x left. Am I correct?
- How many cubes did we have at the start?
- How many cubes do we have now?
- Do we have more/fewer cubes?
- How many cubes did I add/take away?
- More than, fewer than, Equal to, the same as
- Which group has more/fewer?
- Are the groups equal? How do you know?
- Can you show me more/fewer/equal to/than x?
- One more/less, ten more/less
- Pattern, puzzle
- Circle, triangle, rectangle, square

**Resources**

Real-life objects, counters, cubes, tens frame, number tracks, fingers, snakes and ladders, shape puzzles, tangrams, pattern blocks, cuisenaire rods, , numicon and base boards, shapes, tiles.

Incy Wincy Spider game - Nrich

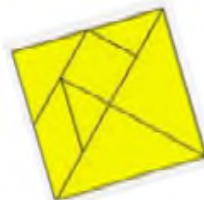
**Enhancements to Learning:**

Outdoors – Mr Gumpy's Outing boat, Roll dice, fill trellis/grid with bean bags. Pebbles/Shells.

Construction – Build towers.

Small world – Create First, Then, Now stories.

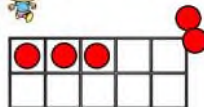
Maths Area – re-enact rhymes (10 Green Bottles, 10 currant buns...). Race to zero games. Fold shapes. Make Grandpa's Quilt. Build the largest triangle.



Mouse Count – Ellen Stoll Walsh
Mr Gumpy's Outing – John Burningham
Rosie's Zoo – Allie Busby
One Ted Falls Out of Bed – Julia Donaldson
Quack and Count – Keith Baker
My Granny Went to Market - Stella Blackstone
Tad – Benji Davis
The Shopping Basket – John Burningham
Monster Math – Anne Miranda
Elevator Magic – Stuart J Murphy
Grandpa's Quilt – Betsy Franco
Jack and the Flumflum Tree – Julia Donaldson
Pezzettino – Neo Lionni



First there were 5 people on the bus.  
Then 2 people got off the bus.  
Now there are 3 people on the bus.



**Planning Links**

White Rose: <https://wrm-13b48.kcdn.com/wp-content/uploads/2021/02/Phase-8.pdf>

NCETM: <https://www.ncetm.org.uk/in-the-classroom/early-years/>

BBC Number Blocks:

<https://www.bbc.co.uk/cbeebies/shows/numberblocks>

Early Math Collaborative: <https://earlymath.erikson.edu/>

NRICH <https://nrich.maths.org/early-years>

Learning Trajectories (L2)

<https://www.learningtrajectories.org/>

HWB Wales

<https://hwb.gov.wales/repository/discovery?sort=recent&catalogs=1d058d90-af42-4ce4-bbf2-ba794a95aa55&categories=0fe3d8a8-74ba-4292-b4fd-24cd2c8faaa9&strict=1>

