



Focus: Unit 4: Alive Five
Time: 4 Weeks

Concept Sequence:

Numbers:

Introduce Zero – introduce name and numeral, 0. Apply in classroom. Sing songs. Show me.

Compare Numbers to 5 – one number can be more than/same as/fewer than another quantity. Use range of representations/objects. Use fingers/plates...

Composition of 4 and 5 – all numbers are made up of smaller numbers. Explore. Subitise. Use 5 Bean bags/hoops – compare in/out of bag. Use double-sided counters. Number Frame. Bunny Ears.

Measure, Shape and Spatial Thinking:

Compare Mass 2 – carry heavy/light, make comparisons, check with balance scales. Avoid misconception that biggest is always heaviest.

Compare Capacity 2 – build on full/empty to show half full, nearly full. Explore using different materials (water, sand, rice, beads). Different shape/sized containers to investigate and make comparisons - how many x to fill y?

Vocabulary

One, Two, Three, Four, Five, Zero
Can you count the objects?
Can you line the objects up?
Can you touch each objects as you count?
How many objects are there altogether?
Can you make the same as me? Do you need any more?
Can we count to x/back from x. Show me x.
How many are there now?
Can you put the objects on a five frame?
Can you get me x objects?
I think there's x left. Am I correct?
Which set shows x?
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 than x?
Can you show me an amount equal to x?
Heavy, heavier, light, lighter, heaviest, lightest
Full, empty, half empty, nearly full, tall, thin, holds, containers, shallow, narrow, wide

Resources

Real-life objects, counters, cubes, five frame, fingers, plates, balls, balance scales, water, sand, rice, beads, buckets, containers.

- Numberblocks 3 Episode 5 – Zero
- Alice the Camel
- 10 in the Bed
- Room on the Broom – Donaldson
- One elephant came out to play
- 5 Little monkeys swinging in a tree
- Number Blocks – The whole of me
- Ugly Five – Donaldson
- 5 Friends Counting – Oxford Owls
- There's a Hole in my bucket
- Mary Poppins – emptying carpet bag



Enhancements to Learning:

- Outdoor Area – throwing and rolling – 0 skittles/beanbags/buckets.
- 4/5 children, 2 Hoops – yes/no. Carry buckets. Mud Kitchen.
- Maths Area – include 0 in picture cards, quantity pots etc. Match and compare quantities.
- Sand – Pebble towers. Different containers/spoons.
- Carpet – dot plates, compare
- Small World – objects and cards with numbers. Show more/same/fewer.
- Water – log pool – 5 speckled frogs.
- Construction – make towers of 2 colours.
- Role play – café/picnic area, Post Office – parcels.

None the Number - Oliver Jeffers

Zero is the Leaves on the Tree - Betsy Franco

A Squash and a Squeeze - Julia Donaldson

Room on the Broom - Julia Donaldson

I Spy Numbers - Jean Marzello

Who Sank the Boat - Pamela Allen

Balancing Act - Ellen Stoll Walsh

A Beach for Albert - Eleanor May

Anno's Counting book - Mitsumasa Anno

The Ugly Five - Julia Donaldson

The Blue Balloon - Mick Inkpen

Planning Links

- White Rose: <https://wrm-13b48.kxcdn.com/wp-content/uploads/2020/11/Reception-Scheme-Phase-4-Spring-2021-1.pdf>
- NCETM: <https://www.ncetm.org.uk/resources/51439>
- 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&strict=1>

