

Week beginning: 4.1.21

White Rose Maths

Measurement : Length and Height

YR 1 DB, CP/GD,
LG, KD

Learning outcome:



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)

Mental Starters:

- Subtizing numbers: <https://www.youtube.com/watch?v=6Yqli14ITv0> (this is really fast, so may need to pause after on each number, flash cards, roll dice and say number
 - Identify a missing number on a number line.
 - Number fluency: <https://www.youtube.com/watch?v=z2mYpg0t6T8>
 - Missing numbers - Write a number sequence on the board and miss out some. Children to show ideas on number fan/whiteboard etc.
- Funny fingers http://www.ictgames.com/funny_fingers_v2.html good for showing number bonds to 10

Session 1

To use the language of length and height. Demonstrate height between two children in the class (a child and an adult at home). Discuss **height in terms of who is taller/shorter**. Add another child, toy or person - who is the tallest/shortest? Place 5 soft toys in order of height and discuss using mathematical language to compare them.

Repeat the same comparison using pencils to compare lengths. Use the language for **length -longer, longest, shorter, and shortest**.

Activity:

Cut and stick activity - children to order bean stalks in order of height. Worksheet available on the website.

Session 2

Can you solve the following problem? Are the children using the correct language?
How would it be correct?

Rosie, Alex and Mo are comparing the height of Mrs Rose and Jack.



Rosie



Mrs Rose is tall than Jack.



Alex

Jack is short than Mrs Rose.



Mo

Mrs Rose is longer than Jack.

Can you improve their sentences to make them more accurate?

Solution = taller shorter taller

Activity: Can you find an object which is longer than your rubber but shorter than your pencil?

Can you find a toy or a member of your family that is shorter than you but taller than your mum?

Session 3:

Demonstrate how objects can be measured to see which object is the longest/shortest by using unit cubes. Children to record lengths in remote learning books e.g. the pencil is 14 cubes long.

Activity:

Children can use lego bricks or multilink cubes for this activity. Find a few objects in your home and record how long they are.

Pencil is 7 cubes long.

The shoe is 14 cubes long.

Session 4

Demonstrate a hand span and encourage children to show you their hand spans. Show your child how we can measure length using our hand spans. Emphasise that we need to spread out our fingers and measure from thumb to little finger. Also point out that we need to measure in a straight line.

Measure larger objects around your house using your hand span. Record it in your remote learning book.

The table is 10 hand span long.

The chair is 5 hand span long.