



KS1 – Maths using Measurement: Measuring Playground Spaces with links to Sustainable Travel - Lesson 1

Objectives:	<ul style="list-style-type: none"> To compare, describe and solve practical problems for length and height
Success Criteria:	<ul style="list-style-type: none"> To compare bigger and smaller items on the playground using non standard measurements To record observations
<p>Starter Activity: In groups of 6 children put themselves in height order. Change the groups two more times. What do they notice? Who was tallest/shortest?</p> <p>Teacher Input with key questions: Discuss why the children think measuring is important. What might we measure in the playground and why? (Space for new equipment such as shed, playground markings.)</p> <p>Explain that by the 4th session, the children are going to design their own playground with different areas and spaces.</p> <p>Today we are going to investigate what is on the playground by comparing items that are bigger and smaller than ourselves as a non standard unit.</p> <p>How can we use ourselves to measure height and length? Talk about what might be found – shed, bikes, plants, planters, climbing equipment, play ground markings. What might be the problems?</p>	<p>Group 1 - LA L1A – 2C Supported with CT – use the recording sheets to find items on the playground that are bigger and smaller than themselves.</p> <p>Group 2 - MA 2C – 2B Supported by LSA- use the recording sheet to find items on the playground that are bigger and smaller than themselves.</p> <p>Group 3 - HA 2B – 3 Working independently - use the recording sheet to find items on the playground that are bigger and smaller than themselves</p> <p>Plenary What did we find out? Make a class record.</p>
<p>Useful Web Links</p> <ul style="list-style-type: none"> Curious George How Tall Am I game: http://pbskids.org/curiousgeorge/games/how_tall/how_tall.html Funbrain - Measure It. http://www.funbrain.com/measure/index.html This simple game has a ruler and a red line and the child has to identify how many units the red line represents. Needs an adult to read the initial instructions but then is straightforward. Easy and hard versions. Measure Teddy: http://www.apples4theteacher.com/measure.html. Same game as above but includes half units for older children. BBC bitesize harbour measurements game: http://www.bbc.co.uk/bitesize/ks1/maths/length_and_weight/play/. For KS1 – children have to match a box size and weight to the specifications given. Does not require child to measure the item for themselves, only to match the figures. 	
<p>Some Useful Measuring Related Books</p> <ul style="list-style-type: none"> The Three Billy Goats Gruff: Great story for introducing the concept of small medium and big. You can buy or make great puppet sets to accompany reading of this story. Someone Bigger by Jonathon Emmett: Sam and Dad have made a kite. They have made it large. They have made it light. They go out on a windy day to see if they can fly it, but the wind blows hard and Dad thinks Sam's too small to fly the kite. It needs someone bigger - or does it? Nice rhymes and illustrated by Adrian Reynolds who illustrates the Harry and the Bucketful of Dinosaurs. The Farm (Big Bigger Biggest) by Marie Aubinai: Noisy farm animals are revealed as the "poster" is unfolded, demonstrating animal noises and animal sizes. 	



Bigger Than, Smaller Than

I am measuring things that are bigger than or smaller than ... ME!

Name: _____

Date: _____

These things are bigger than me	These things are smaller than me