



KS1 – Maths using Measurement: Measuring Playground Spaces with links to Sustainable Travel - Lesson 4

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 work co operatively as a team To use vocabulary of length, height, taller, shorter, wider cm, m
<p>Starter Activity:</p> <p>Using the measurement chart from yesterday, answer “ quick fire questions” about the objects measured (longest, highest, widest, shortest, measure in cm, measure in m etc.).</p> <p>Teacher Input with key questions:</p> <p>Explain that today the chn are going to design and plan their own plan for a new playground.</p> <p>What have we learnt so far this week about their playground?</p> <p>What things are the biggest, smallest, widest? Do these sizes work well?</p> <p>Are there any areas that are too big or small? Are there areas that could be added – a reading corner, more space for cycle storage, a road marking etc.? What would they like to include?</p> <p>Have a model drawn that has obvious errors on – e.g. climbing equipment too close to the classroom or cycle storage too near the gate, a shed that takes up over half the playground.</p> <p>Discuss that this could be due to the plan not being drawn in accurately.</p> <p>Discuss what is available to make the plan and that it can include 3 D elements - sugar paper, card Lego, recycled boxes, squared paper.</p> <p>Emphasise that the chn will need to be able to explain their plans to the class using the key vocabulary.</p>	<p>Mixed Ability Groups of 3</p> <p>In mixed ability groups of 3, the children create own plans.</p> <p>Take photos of evidence to put in books.</p> <p>Chn to also decide how, what and who is going to explain their plan to the class.</p> <p>Plenary</p> <p>What do we notice about the size of the objects and spaces?</p> <p>Have the chn made good use of measurement vocabulary in their explanations?</p> <p>Assessment :</p> <p>Can compare bigger than and smaller than Can measure and record using non standard units. Can measure and record using standard units cm and m Can use key vocabulary from the lessons Can work cooperatively to produce a plan Can use key vocabulary when explaining the plan</p>