



Y3&4 – Maths using Measurement: Improving the outdoor spaces with links to Sustainable Travel - Lesson 2

Objectives:	<ul style="list-style-type: none"> • Measure the perimeter of simple shapes and areas
Success Criteria:	<ul style="list-style-type: none"> • Use of doubling and adding • Clear recording that shows the measurements and the calculations
<p>Starter Activity: Quick fire adding pairs of numbers including doubles</p> <p>Teacher Input with key questions: Recap on yesterday’s lesson – what have we learnt about the advantages and disadvantages of the space so far?</p> <p>Tasks Explain today’s task: To calculate the perimeter of various parts of the playground and to consider if they are an appropriate size for the needs of the community.</p> <p>Explain what a perimeter is and how we can calculate it.</p> <p>Work through in pairs using wipe boards and pens. http://www.tes.co.uk/teaching-resource/KS2-Perimeter-of-Different-Shapes-6186862/</p> <p>Discuss the equipment available for measuring perimeters in the playground and how it is to be used.</p> <p>What problems might we encounter on the playground? How will we record our measurements?</p> <p>Drawings will not need to be to scale but will need to look like the space that is being measured. Recording must show the measurements and the calculations.</p>	<p>LA 2a – 3c</p> <p>CT directed – suggest measure spaces that are uniform e.g. vegetable plot, seating area</p> <p>Are there enough?</p> <p>Are they big enough for those who want to use them at the same time?</p> <p>MA 3C – 3B</p> <p>LSA directed – work on play ground games markings – are they adequate for the amount of children who want to use them?</p> <p>HA 3b – 4c</p> <p>Independent – calculate the perimeter of the actual playground and other larger spaces. Work in groups of four to obtain measurements and then calculate the answers.</p> <p>Plenary</p> <p>What have we discovered about the playground?</p> <p>Compare measurements – what do the findings show?</p> <p>Do the sizes work well?</p> <p>Are there any improvements that need to be made on the present playground?</p> <p>What suggestions do we want to make for the new space – record these for ongoing use?</p>