



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

Objectives:	<ul style="list-style-type: none"> To draw 2D shapes in the form of the new plans using the information gained in previous sessions
Success Criteria:	<ul style="list-style-type: none"> Accurate use of rulers Sensible use of space Knowledge of other parts of the lessons used
<p>Starter Activity: In pairs on squared paper, describe and draw a variety of 2D shapes that are known to be on the playground. Discuss bird's eye view – drawing as if you are viewing from above.</p> <p>Teacher Input with key questions: Recap on the all the information we have covered this week.</p> <p>Task: Task today is create 2D plans to submit to the sports centre.</p> <p>Discuss what must be included: Measurements, distances, timings, plans of the existing playground and plans of how we would like the new playground to be.</p> <p>What should be included?</p> <ul style="list-style-type: none"> Perimeters of existing spaces with reasons why these need to be improved A key to where the new equipment would go <p>What could be included ...</p> <ul style="list-style-type: none"> Any of the above put into graphs or charts Photos 	<p>Mixed Ability Groups</p> <p>In mixed ability groups of 3 chn to draw up their plans:</p> <ul style="list-style-type: none"> One to work on existing playground One to work on desired design One to work on measurement charts <p>Plenary</p> <p>Compare plans and charts.</p> <p>What are the features that will persuade them most effectively?</p> <p>Assessment:</p> <p>Can measure length and time accurately using appropriate equipment Can calculate perimeter using addition and multiplication Can add and subtract money to given totals Can draw plans and charts using 2D shapes</p>

Links to English: Where a real life context has been found for this unit of work, children could write persuasive letters to go with the plans to persuade the “local sports centre” (or Parish Council, head teacher, governors etc.) to choose their plan and pay for the improvements. They will need to stress how the planned activities will enhance the health and fitness of those using it.