



## Y5&6 – Maths using Statistics with links to Sustainable Travel - Lesson 3

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| <b>Objectives:</b>  | <ul style="list-style-type: none"> <li>To decide which representations of data are the most appropriate and give reasons</li> </ul>  |
| <b>Success Criteria:</b>  | <ul style="list-style-type: none"> <li>Reasoning about data collection</li> <li>Use of a scale if appropriate</li> <li>Accurate data gathering</li> </ul>  |
| <p><b>Starter Activity</b><br/> <a href="http://www.tes.co.uk/teaching-resource/Traffic-survey-6046953/">http://www.tes.co.uk/teaching-resource/Traffic-survey-6046953/</a></p> <p>Discuss what this survey is about and why the children have carried it out (see teacher notes – could use as a separate activity for discussion on sustainable modes of transport).</p> <p><b>Teacher Input with key questions:</b></p> <p>Explain that today (and later in the week) we are going to survey the scooter and cycle storage to see if it is adequate for our needs. We are also going to think about whether it can be improved and, if so, how?</p> <p>What will we need to find out?<br/>         What will be the best way to gather this information?<br/>         How will it help us?</p> <p>How can we organise ourselves? Take ideas.</p> | <p>In mixed ability groups, children survey the use of the available bike and scooter storage at school and record their findings. This could be done on more than one occasion, particularly on different days of the week and in different weathers to look for a change in behaviour patterns.</p> <p>They make notes to go with the statistics (day of the week, weather etc.) and make recommendations for improvements. Take photos as evidence and to use in lesson 4.</p> <p><b>Plenary</b></p> <p>What do our findings show?</p> <p>Do we have a clear picture from each time of recording?</p> <p>Have we noted any improvements which could be made?</p> <p>Who do we think might be able to help us with this?</p> |

See separate set of lesson plans on surveying and road safety attached from [www.safetymatters.renault.co.uk](http://www.safetymatters.renault.co.uk).