

**Environmental Transport Association :: teaching sustainable travel through the National Curriculum**  
all resources and plans available free of charge for educational use from [www.eta-schools.co.uk](http://www.eta-schools.co.uk)

<b>Subject/ Title/ Summary/ Objectives/ Timings</b>	<b>Intro</b>	<b>Main teaching</b>	<b>Plenary/ Extension</b>	<b>Resources</b>
<p><b>Unit 6: MATHS/ GEOGRAPHY</b>  <b>"What does our school travel survey tell us?"</b>  <b>Graphing the results of the school travel survey and drawing conclusions</b></p> <p><b>Maths 7:</b> Handling data            Answer a set of related questions by collecting, selecting and organising relevant data; draw conclusions, using ICT to present features, and identify further questions to ask            Construct frequency tables, pictograms and bar and line graphs to represent the frequencies of events and changes over time</p> <p>Block C: Handling data and measures</p> <p><b>Geography</b> 1a. ask geographical questions            1b. collect and record evidence            1c. analyse evidence and draw conclusions            2f. use ICT to help in geographical investigations            6e. an environmental issue caused by a change in the environment</p> <p><b>ICT</b> QCA 5d Spreadsheets            1c. to interpret information            2a. develop and refine ideas...</p> <p>2 hours</p>	<p>Look at current modes of travel to school in the last school travel survey in tabular form.</p> <p>Can the children make any accurate statements by using the table only.</p>	<p>Explain that it is often easier to understand a lot of data when it is put into a graph, but that it is important to decide carefully which data you will use and why.</p> <p>Use the whiteboard to demonstrate the creation of a simple bar chart showing the modes of travel used in the last travel survey.</p> <p>If you can obtain results from the school travel survey for the last three years this will provide a rich source of material for data handling in a genuine context.</p> <p>Show the children how to plot the changes in mode of travel over the past three years in a line chart, or use a spreadsheet package.</p>	<p>Ask the children to record what trends they can see and state why they think this might be happening.</p>	<p>Data on how children get to school. This should be available either in your school office or by contacting the School Travel Officer in your local authority. Obtain this in tabular format if available, to enable graphs to be created.</p>