

Road Safety Links to Numeracy



KEY OBJECTIVES	POSSIBLE ACTIVITY
Understand percentage as the number of parts in every 100 and find simple percentages of whole number quantities.	Calculate percentages, e.g. the percentage of children in the class who travel to school by foot, by car, have ever been involved in a traffic 'accident', etc. Discuss safe traveling by foot, bicycle, car, public transport
Solve simple problems involving ratio and proportion.	Use statistics to investigate ratio, e.g. "There are 3 boys involved in a road traffic accident to every two girls. Out of 30 children involved in accidents, how many would be boys?" Discuss age/ gender issues in road safety accident statistics.
Solve a problem by extracting and interpreting information presented in tables, graphs and charts.	<ul style="list-style-type: none"> • Test a hypothesis by drawing and discussing a bar chart where data are grouped, e.g. a bar chart of the number of times a family uses a car each week. • Test hypotheses by interrogating data in a prepared computer database such as data on road safety... Look for patterns in accident statistics and draw conclusions e.g. seasonal patterns, times of day and days of the week. • Draw and interpret a line graph, in which intermediate values have meaning such as converting miles to kilometres. Relate speed limits to stopping distances
Use a protractor to measure acute and obtuse angles to the nearest degree.	Investigate drivers' vision using diagrams of angles to show blind spots, whether a child standing behind the car can be seen etc.