Numeracy – A2B

Keystage 2

Aims: This worksheet would be used in conjunction with the website.

Pupils work individually to complete the worksheet which builds on the information that they have been discussing. Looking at statistics of how children travel to school and contemplating the viewpoints of parents and residents.

The dingding module highlights the option of travelling via public transport and introduces the concept of traffic claming as an environmental change.

Overview:

Curriculum Links: Numeracy, Literacy, IT

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A2B - Timetables & Route Planning

Keystage 2

5 Worksheet Teachers Notes

Curriculum Link: KS2 Geography

5a) Pupils should be taught how to recognise how people can improve the environment or damage it and how decisions about places and environments affect the future quality of people's lives.

5b) Pupils should be taught to recognise how and why people may seek to manage environments sustainably, and to identify opportunities for their own involvement

1) **Whole Class Activity:** Discuss the issue of increasing traffic congestion. Are any of the pupils affected by it? What are the problems to an individual? On a local scale? On a global scale in terms of environmental impact. What solutions are there? What impact would these have?

2) **Individual Activity:** pupils analyse the data and draw conclusions.

3) **Small Group/Individual Activity:** complete exercise on www.dingding.org.uk – A to B level 2. Ask pupils to complete the appropriate part of the worksheet.

Objective	Activity	Outcomes
To be aware of the problems of traffic congestion on a local and global scale view	1. Whole Class Activity	√ To discuss the issue in an informed way √ To arrive at an informed about the issue
To undertake a decision making exercise	2. Individual Activity	√ To look at an issue in an informed way using statistical evidence √ To understand different viewpoints and feelings
To learn how places can be managed and improved	2. Individual activity 3. Web activity	√ To understand the nature of compromise √ To be aware of the range of views that people hold about the issue
To propose environmental change in an area	1. Whole Class Activity 2. Individual Activity 3. Web activity	

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Keystage 2

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Worksheet 1

Traffic congestion around primary schools is a nation-wide problem. Using the table below answer the following questions

Mode of Travel	1989/91	1998/2000	1999/2001
Walk	62%	56%	54%
Car	27%	36%	39%
Cycle	5%	2%	1%

Source: National Travel Survey

1) What was the reduction in the percentage of pupils walking to school in 1989/91 compared to 1999/2001?_____

2) What was the increase in the percentage of pupils being driven to school in 1989/91 compared to 1999/2001?_____

3) Some parents take their children to school in a car because it is safe, quick and cheap. Do you agree with this statement?_____

4) Some people who own houses close to schools get annoyed at the amount of traffic, noise and pollution. They might feel that too many cars on the road could be dangerous for children walking to school.

Do you agree with this view?_____

_____

5) How do you travel to school?_____ How do you think this effects residents close to your school?_____

_____

6. What do you think would be the best way for you to travel to school if you were thinking about:

Local Residents_____ Why_____

_____

_____

_____

The Environment _____ Why_____

_____

_____

_____

Yourself_____ Why_____

_____

_____

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On-line Exercise – dingding – A to B (level 2)

Complete the on-line activity and then answer these questions.

1. Why would some people be reluctant to change buses?

(time, cost, inconvenience?)_____

_____

_____

_____

2. Some towns have bus only lanes on their main roads. Why could this be a benefit to passengers and road users?

(time, more direct route, ease general congestion)_____

_____

_____

_____

3. There are a number of options that can be used on roads to help the flow of traffic and pedestrians. Explain how each of these options works:

• Traffic lights _____

_____

_____

_____

• Pedestrian Crossings_____

_____

_____

_____

• Park and Ride_____

_____

_____

_____

4. There are no traffic lights, bus lanes, crossings or park and rides on the dingding map. Which two options would you introduce to help the flow of traffic?

5. Are there any other options (not listed above) that you think might help the people of dingding.

(extension task – could consider lower fares, cycle lanes etc)_____

_____

_____

_____

_____

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