



# You are the Investigator !

## CensusAtSchool

We have heard rumours about some strange and interesting trends in your class. You have been asked to analyse your class and report back about anything that you find. After scratching your head for some time, you have decided to use the CensusAtSchool data to research your class more closely. What will you find out?

### Getting Started

#### Step 1:

Look at the CensusAtSchool data for your class. You will find it in the 'CensusAtSchool' folder on your shared drive. Also look at the CensusAtSchool questionnaire

#### Step 2:

Decide on an interesting question that you can answer with a column or two from the data table. On the detachable slip at the bottom of this page, write your question and the columns of data that you will use. Hand it in today.

#### Step 3:

Begin the project. Instructions are on the next page.

*Detach and hand in*

Name: \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

Question: \_\_\_\_\_

\_\_\_\_\_

Columns of data you will use:

Label \_\_\_\_\_ Letter \_\_\_\_\_

Label \_\_\_\_\_ Letter \_\_\_\_\_

This resource is from the **CensusAtSchool** project at [www.censusatschool.ntu.ac.uk](http://www.censusatschool.ntu.ac.uk)



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## *CensusAtSchool*

The report will consist of 4 pages:

**Page 1: Title Page**      Make up an interesting title and also write your question.  
Make the page bright, neat and colourful.

**Page 2: The Data**      Copy or glue the columns of data you are using. Create a tally and frequency table. Include the percentages (relative frequencies) in your table as well.

**Page 3: The Graphs**      Create 3 different types of graph to display your data.  
You must include:

1. a pie chart with calculations
2. a bar chart ( regular or comparative – whichever is most suitable)
3. your choice of a pictograph, a line graph or a stem and leaf plot.

### **Page 4: The Conclusion**

In complete sentences, respond to the following questions:

1. Choose one of your graphs and describe it.
2. Which of the 3 graphs do you feel shows your data in the best way and why?
3. Which of the 3 graphs is least effective for presenting your data and why?
4. Explain your choice of intervals for the bar chart or the choice of symbols/pictures on the pictograph.
5. What is the answer to your question? Fully describe how you reached this conclusion.