



## Data and Analysis Home Information Sheet Second Level (a)



*Having discussed the variety of ways and range of media used to present data, I can interpret and draw conclusions from the information displayed, recognising that the presentation may be misleading. MNU 2-20a*

*I have carried out investigations and surveys, devising and using a variety of methods to gather information and have worked with others to collate, organise and communicate the results in an appropriate way. MNU 2-20b*

*I can display data in a clear way using a suitable scale, by choosing appropriately from an extended range of tables, charts, diagrams and graphs, making effective use of technology. MTH 2-21a*

Over the next few weeks we are going to be learning to:

- Appreciate that data can be presented in a wide range of ways, e.g. pictograms, bar charts, pie charts, line graphs, tables etc.
- Interpret and draw conclusions from a range of data displays
- Compare and discuss different displays of the same data
- Understand that the method used to collect the information may affect the data gathered, the predictions made or conclusions drawn  
Identify a range of ways to collect, organise and display data  
Appreciate that the method chosen to display the data needs to fit the purpose of the task
- Use a variety of methods to gather data,  
e.g. observations, surveys, questionnaires, experiments  
Draw conclusions from their findings and communicate them clearly,  
concisely and accurately
- Construct bar charts, pictograms, and tables accurately, including all key features, e.g. title, labelled axes, key
- Understand what the term scale means and how it applies to graphs
- Select and use an appropriate scale where necessary
- Use technology to display and organise data where appropriate

Here are some ideas of how you can help me at home!

**Sports Analysis** – Ask your child to have a look online or in the paper for a league table containing information about their favourite sports team. Spend time discussing what information we can gain about the team from the data in the table. Bring a copy of the table into class and discuss your findings with classmates.

**Favourites!** – Encourage your child to carry out some research with friends and

family to identify people's favourite things (TV programmes, sports, foods, passtimes etc.). He/she should then decide on the most suitable way to present this information (bar graph, line graph, pie chart, poster etc.).

Here are some websites that you may find useful to use with me!

Website 1 - <http://www.skysports.com> A rich source of tables to analyse and interpret.

Website 2 - <http://www.mathsisfun.com/data/data-graph.php> A simple tool for creating bar graphs, line graphs and pie charts.

