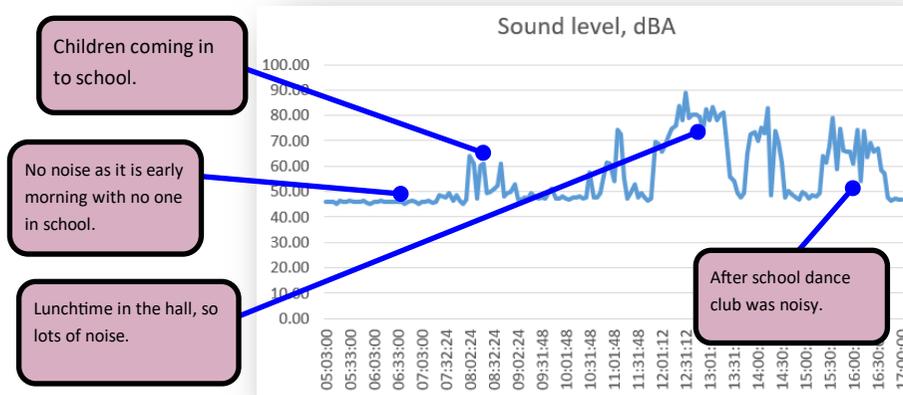


## Things you already know:

- Know how to create a basic graph using Excel.
- Know how to select data in a spreadsheet.

## Knowledge you will gain:

- You will know what a data logger is and how it collects different types of data including LUX, decibels and Celsius.
- Learn the context of the measurements taken e.g. 70db might be the volume of a loud vacuum cleaner, 50db the volume of normal talking etc.
- Learn how to analyse the data, creating line graphs for continuous data and explaining what various points on the graph are telling you for example see below.
- Know how to change the look and feel of the graphs to make them both appealing and clear using contrasting colours that add rather than detract from the graph.



## Specific skills/understanding

Understanding of context-aware menus, where a different set of options appear depending on where they right click. Also where an item is selected a different ribbon/toolbar appears.

## Computing Knowledge Organiser Year 4

Summer Term 2

# We are Environmentalists

## Vocabulary

**Decibels:** Measurement of sound often referred to as db range 0db =silent, 140db=jet engine

**Lux:** Measurement of light. 0=no light at all, 100,000=direct sunlight

**Celsius:** 0 °c=freezing of water, 100 °c=boiling water

**Data logger:** A device that has sensors to measure e.g. light, sound, heat and that can also save this data over a period of time.

**Data:** The numbers collected by the datalogger.

**Information:** The conclusions or generalisations that can be made by looking at the data.

**Analyse:** The process of gaining information from the data collected.

**Annotate:** To add notes to something, in this case we add notes to our graphs/charts.

## Ongoing skill set

Selecting large blocks of data by either column selection or using the shift key to click on the first and last item in a list. Resizing and dragging to move graphs and items within the graph.