



Overview



Data

is



information



that



we



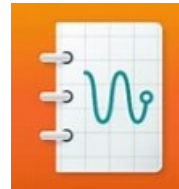
gather.



Key Learning

		Register				
Name	Reg	Mon 07/05	Tue 08/05	Wed 09/05	Thu 10/05	Fri 11/05
Addy, George	Y4D	/	/	/	/	/
Ahmed, Zahir	Y4D	/	/	/	/	/
Bocou, Sofia	Y4D	/	/	/	/	/
Brand, Mabel	Y4D	/	/	/	A	/
Chang, Freya	Y4D	A	/	/	/	/
Droffer, Michael	Y4D	/	/	/	/	/
Fuller, Jane	Y4D	/	/	/	/	/
George, Freddie	Y4D	/	/	/	O	O
Hussain, Soni	Y4D	/	/	/	/	/
Jones, Gemma	Y4D	/	/	/	/	/

We collect data to see patterns or trends over time. We can measure light, sound or temperature.



Arduino Science journal is a data logging app which records information using Bluetooth and wireless connections/



Data loggers can measure change over time. They can record the data in a spreadsheet, table or graph.



We can use data logging to accurately record temperature (in degrees) , sound (decibel) and brightness (EV).

Enquiry Questions

What is data?

How do we record data?

Why do we record data?

How can we answer questions with data?

Key Vocabulary

Data	Information
Data logger	A device used for recording/ logging data
Bluetooth	A way of wirelessly sending information
Celsius	A unit of measure for temperature
Decibel	A unit of measure for sound
EV	A unit of measure for brightness
Trend	A pattern we notice in the data
Spreadsheet	An electronic table used to record data
Graph	A pictorial representation of data

Retrieval

- 1) What is data?
- 2) What are three things a data logger can measure?
- 3) Why would you use a data logger instead of recording data yourself?
- 4) How do we view the data it has logged?
- 5) What is the unit of measure for temperature?
- 6) How is sound measured?
- 7) EV is a unit of measure for what type of data?
- 8) What sort of graph shows our data?
- 9) How is data transferred from the logger to the app?
- 10) What is a trend in data?

Ownership and Permission

A census is used to collect data about who lives in the country every ten years.

We must be careful when collecting or sharing other people's data. For example, some data is confidential (which means it is private).

There is a possibility that data can be inaccurate—that means we could have made a mistake when collecting data.

Online Safety Managing online information & Copyright and ownership

I can talk about which data is private and should not be shared (such as our passwords, address and date of birth). I can explain what a strong password is and describe strategies for keeping my personal information private, depending on context.

I am beginning to understand that some companies collect our data to be used or stored. I can describe some of the methods used to encourage people to buy things online (e.g. advertising offers; in-app purchases; pop-ups) and can recognise some of these when they appear.