Data and information—Data Logging

Environment

Prior Knowledge

Year 3: Data and information – Branching databases.
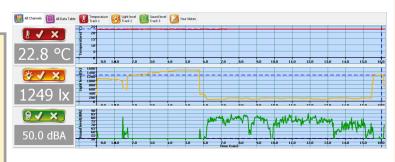
Year 2: Data and information – Pictograms.

Year 1: Data and information – Grouping data.

Future Knowledge

Year 5: Data and information – Flat-file databases

Year 6: Data and information - Introduction to Spreadsheets

Key Vocabulary

Tier 1: Collect, review, conclusion

Tier 2: Data, table, layout, input device, sensor, interval, analyse, import, export

Tier 3: Data logger, data point

My Component Knowledge:

Lesson 1: I can explain that data gathered over time can be used to answer questions.

Lesson 2: I can use a digital device to collect data.

Lesson 3: I can explain that a data logger collects 'data points' from sensors over time.

Lesson 4: I recognise how a computer can help us analyse data.

Lesson 5: I can identify the data needed to answer questions.

Lesson 6: I can use data from sensors to answer questions.

My Composite Knowledge:

I can use data from sensors to answer my own questions.

My Powerful Knowledge:

I understand that data is collected for many different uses. Sensors can be used to collect data in order to give accurate results to answer specific questions.

Fitness tracker

Day	Steps
Sunday	10307
Monday	12139
Tuesday	9844
Wednesday	12015
Thursday	7053
Friday	11413
Saturday	4341

What information do these tables show you?

Sports

Team	Played	Won	Lost	Drawn
Archers	7	2	2	3
Badgers	7	4	1	2
Coasters	8	3	4	1
Flyers	7	1	3	3
Ringers	8	3	4	1
Zoomers	7	5	0	2

How many different reasons can you think of that people collect data for?