

Preston Primary School Knowledge Organiser

Computing

Term: Autumn 1

Year: Unit 3 - Year 3 & 4

Duration: 7 Weeks

How and why is data collected over time?

Questions we will answer during this enquiry

What is data and why do we collect it?

How can we collect data over time?

What is a data logger and how do we use one?

How can we design a study over time?

What do our results show?



A data logger is a small battery powered digital device that collects data over time.

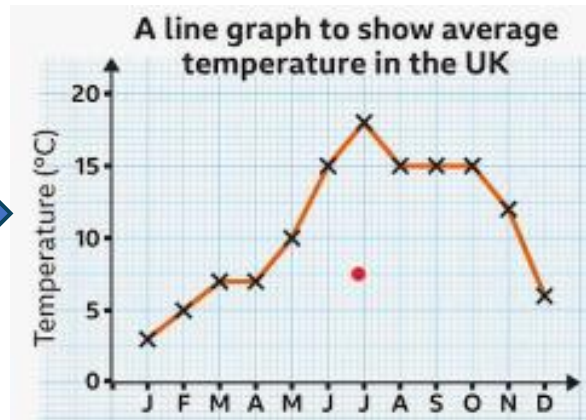
Data loggers send the data back to devices such as laptops and iPads so that the data can be used.

Information Technology



The skills we will develop during this enquiry will support our understanding of computers as a source of information.

Temperature data can be shown in a line graph or a results table. We will experiment with these.



We can also use a thermometer like this to measure temperature. Our data loggers have a built-in thermometer.



	Key Vocabulary	
	Data	Data is collected by the data logger and will show the temperature over time.
	Data logger	A small machine that collects data and sends it to the computer or iPad for us to use.
	Design	We will design a study. We will need to plan what we want to find out and how we will do this.
	Apply	We will create our study and set up the data logger to do what we want it to.
	Refine	We will make changes to our plan if needed.
	Evaluate	We will evaluate our work to see if the study was useful.
	Study	The study is what we want to find out.
	Results	The results are what the data shows and how we answer the question.