

Eversley Primary School– Knowledge Organiser



Computing		Data & Information – Data Logging		Year 4		Spring 2	
Key Knowledge				Statutory requirements			
To explain that data gathered over time can be used to answer questions	 I can identify data that can be gathered over time answer I can suggest questions that can be 			 Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Select, use and combine a variety of software (including internate emission) on a range of disited during the design. 			
To use a digital device to collect data automatically	 I can explain that sensors are input devices I can identify that data from sensors can be recorded I can use data from a sensor to answer a given question 			and create a rang that accomplish g	et services) on a range of digital devices to design eate a range of programs, systems and content complish given goals, including collecting, ng, evaluating and presenting data and ation		
To explain that a data logger collects 'data points' from sensors over time	collect dI can ide collect dI can tall	entify the intervals used to lata < about the data that I have		Key vocabulary			
				Spelling		Definition	
				Data Set	An o i	rganised collection of data.	
To use data collected over a long duration to find information	 I can us sort data I can use 	e a computer to view data in		Sensor	phys	e which detects or measures a sical property and records, es, or otherwise responds to it.	
To identify the data needed to	 different ways I can plan how to collect data using a data logger I can propose a question that can be answered using logged data 			Input Device	hardwai	It device is a physical piece of re that connects to a computer s used to enter information.	
answer questions	 I can use data 	w conclusions from the		Output Device	devic	tput device is any hardware e used to send data from a nputer to another device.	
To use collected data to answer questions	 I can exp data log I can interview 	t I have collected blain the benefits of using a ger erpret data that has been d using a data logger		Data Logger	monit	logger is an instrument that c ors and records changes in conditions over time.	
De	Possible experiences				n Deste	Internal Sequence Text Enery Disc Cone Sequence	

Possible experiences

- Do your own data logging experiment using an iPad or create your own data log using information online e.g. weather patterns.
- Learn more about Input and Output devices by watching more on BBC Bitesize; <u>Input and</u> <u>output - BBC Teach</u>
- Research which careers you may need to use data logging in.

Automatic Data Logger

1 hr 0 min 35 s

34.8 °C

Heters Off