

LKS2 Computing Knowledge Organiser

Year 4 - Term 4 - Data Logging

Key Focus: how computers can use special input devices called sensors to monitor the environment.

National Curriculum Objectives:

- 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 internet services) on a range of digital devices to design and create a range of programs, systems, and content that accomplish given goals, including collecting, analysing, evaluating, and presenting data and information

Data Logging

- To explain that data gathered over time can be used to answer questions
- To use a digital device to collect data automatically
- To explain that a data logger collects 'data points' from sensors over time
- To recognise how a computer can help us analyse data
- To identify the data needed to answer questions
- To use data from sensors to answer questions



Key vocabulary

Word	Meaning
Data logger	A digital device that can collect data over time and store it.
Data logging	The process of automatically collecting and recording data over time using a device called a data logger.
Logging intervals	A regular time period between each data capture.

Sticky Knowledge:

Data loggers can be used to collect data from an environment over a period of time.

Sensors are used to collect information about light, temperature, sound or humidity within an environment.