




What I Need to Know: Y4 Computing: Data & Information – Data Logging

We nurture the curiosity to learn, the courage to lead and the compassion to care.

In this unit we will consider how and why data is collected over time. We will consider how computers can use input devices (sensors) to monitor the environment. We will collect data over long periods of time and we will then review and analyse data.

 Create, Communicate & Evaluate	
Find the quietest/brightest place in school for someone to read a book	
 Question, Reason, Discuss & Explain	
Explain that data gathered over time can be used to answer questions	
Explain what data can be collected using sensors	
Discuss the data that I have captured	
Explain that there are different ways to view data	
Discuss & explain how data loggers collect 'data points' from sensors over time	
Draw conclusions from the data that I have collected	
 Know & Do	
Suggest questions that can be answered using a given data set	
Use a digital device or data logger to collect data automatically	
Use data from a sensor to answer a given question	
Identify data needed to answer questions and plan how to collect data using a data logger	
Interpret data collected using a data logger	

Vocabulary I need to know...
data, table (layout), input device, sensor, data logger, logging, data point, interval, analyse, import, export, logged, collection, analyse, review, conclusion

Opportunities to support English and maths
<ul style="list-style-type: none">• Discuss and explain data and results to other groups of children• Interpret and present continuous data using bar charts and time graphs

Curriculum Links and Enrichment Activities
<ul style="list-style-type: none">• Science – use data loggers to record and analyse data