

Inspiring and enabling our school community to live life to the full



YEAR 4

Subject: Computing
Unit: Data and information logging

We aim to equip pupils to use computational thinking and creativity to understand and change the world; to become digitally literate –using, and expressing themselves and developing their ideas through, information and communication technology. They will build on this knowledge and understanding, becoming equipped to use information technology to create programs, systems and a range of content– at a level suitable for the future workplace and as active participants in a digital world

Characteristics of an Effective Learner

Courage
Commitment
Collaboration
Creativity
Curiosity

Prior Learning: Key concepts from Education for a connected World: Year 1 Data and information Year 2 Data and information: Pictograms Year 3 Branching Databases	Key Vocabulary taught in this unit: Data, table (layout), input device, sensor, data logger, logging, data point, interval, analyse, data set, import, export, logged, collection, review, conclusion
Intent: What do we want the children to know, be able to do by the time they complete this unit? <ul style="list-style-type: none">Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a arrange of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information. Collection, creation and analysis of data with data logger	
Impact / Outcome: What will the final product / result be? Pupils will be able to consider how and why data is collected and how they can use special input devices to monitor the environment. They will use data points, data sets and logging intervals and spend time reviewing and analysing the collected data. Finally, they will pose questions and use data loggers to automatically collect data to answer those questions.	
P4C Inquiry (where appropriate) N/A	