



Year 3 Knowledge Organiser

Computing – Data

What I should already know.

National Curriculum KS1 Aims:

- understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
- create and debug simple programs
- use logical reasoning to predict the behaviour of simple programs
- use technology purposefully to create, organise, store, manipulate and retrieve digital content
- recognise common uses of information technology beyond school
- use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.

What will I know by the end of the unit?

- Generate and compare different charts and graphs (using graphing software, database or spreadsheet) and understand that different graphs are used for different purposes.
- Create and use a branching database to organise and sort data to answer questions.
- Determine the data needed to answer a specific question; organise, present, analyse and interpret the data in tables, diagrams, tally charts, pictograms and bar charts, using ICT where appropriate.
- Begin to develop skills to identify clearly what data needs to be collected and design a questionnaire or use an input device (e.g. data logger) to aid its collection.

Key Vocabulary

Chart

Graph

Branching

Sort

Organise

Data

Interpret

Key Knowledge

- Know that ICT can create graphs that are used for different purposes and some are more appropriate and easier to read than others.
- Begin to understand that different programs (graphing, databases, spreadsheets) create graphs in different ways and are appropriate to different needs and purposes.
- Know and understand the difference between data and information.
- Understand which searches and graph types are relevant to specific problems and types of information.

Online Safety

Protect and Secure



Is it real?



Be E-safe and enjoy!



Software

