

Year 6 Unit Medium Term – Computing - Databases

N.C POS

- 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
- Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behavior; identify a range of ways to report concerns about content and contact
- Understand computer networks including the internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration

Concept: cause and effect, change, information, communication, technology, organisation

Key Vocabulary: survey, questionnaire, data collection, field, criterion.

Prior Learning: To understand that ICT can be used to store and sort information, to add a record to a file in a database, to produce bar charts from a database, to sort and classify information using a database.

Core Knowledge- non-negotiable- specific knowledge must be identified here

- To design a form for a survey/questionnaire to collect data.
- To collect data and enter it into a database under appropriate field headings.
- To use a database to answer questions by searching and sorting a single field (e.g. how many children have blonde hair?).
- To raise further questions relevant to the data collected.
- To search data on more than one criterion understanding the difference between AND & OR searches (e.g. How many children have blonde hair AND blue eyes? And How many children have blonde hair OR blue eyes?)
- To select relevant data and appropriate graphs to present to others.
- To evaluate the effectiveness and impact of the data.

Wider Influences

- **Companies/sectors/jobs that utilize databases.**

Enduring Understanding

- **To understand that different searches can be carried out on a database to refine your search.**
- **To be able to distinguish the difference between AND & OR searches on a database.**