Eversley Primary School– Knowledge Organiser

Computing	Data & Information – Flat File Databases	Year 5	Spring 2

Key Knowledge

To use a form to record information	• I can create multiple questions about the same field • I can explain how information can be recorded • I can order, sort, and group my data cards
To compare paper and computer-based databases	• I can choose which field to sort data by to answer a given question • I can explain what a 'field' and a 'record' is in a database • I can navigate a flat-file database to compare different views of information
To outline how grouping and then sorting data allows us to answer questions	• I can combine grouping and sorting to answer more specific questions • I can explain how information can be grouped • I can group information to answer questions
To explain that tools can be used to select specific data	• I can choose multiple criteria to answer a given question • I can choose which field and value are required to answer a given question • I can outline how 'AND' and 'OR' can be used to refine data selection
To explain that computer programs can be used to compare data visually	• I can explain the benefits of using a computer to create graphs • I can refine a chart by selecting a particular filter • I can select an appropriate chart to visually compare data
To apply my knowledge of a database to ask and answer real-world questions	• I can ask questions that will need more than one field to answer • I can present my findings to a group • I can refine a search in a real-world context

Possible experiences

- Use the homework sheet to record information ready to create your own flat file database online
- Investigate using j2e.com/database/
- Test yourself with a quick database quiz on Databases in Real Life (thenational.academy)
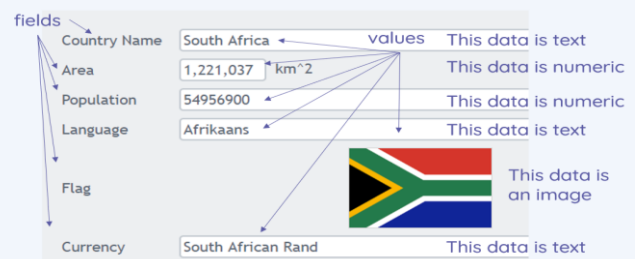- Research different careers using flat file database and who may need to use them in real life.

Statutory requirements

- 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 behaviour; identify a range of ways to report concerns about content and contact

Key vocabulary

Spelling	Definition
Field	Fields are like features of the data collection e.g. "can fly" "does it have wings". They are used to sort data.
Record	A database record is **collection of fields** about the same person, item, or object in a database
Database	A database is a **collection of data** that is stored in a computer and that can easily be used and added to
Flat –File Databases	A flat-file database is a type of database that **stores data in a single table.**

Parts of a record

What questions could this graph answer?