



Data Detectives

Key Learning

- To find information in databases by filtering and sorting.
- To create graphs from data within a database.
- To be able to find information in linked table databases.
- To be able to find requested information using databases.

Key Questions

- What is a database?
- Why might tables be linked together?
- How can databases be queried to find information?
- How can combining operators be used?

Bar Chart	A type of graph that uses categorical data, which means the data is grouped into categories e.g. colours, types of pet.
Calculate	In databases, calculations on data can be performed e.g. calculate the number of records.
Condition	A condition is a rule you give to a database to help it find the right information. A condition might contain an operator.
Data	A collection of information, especially facts or numbers, to be analysed and used to help decision-making.
Database	A set of data that can be held in a computer in a format that can be searched and sorted for information.
Filter	Filtering what information is shown according to any filter rules applied.
Field	A heading in a database record against which data is entered.
Group	Putting similar pieces of information together in a database so it is easy to read, understand and interpret.
Line Graph	A type of graph used to display information which can change over time. For example, temperature at different times of the day.
Query	A way for a user to find specific information in a database by using tools such as filtering and grouping.
Record	A collection of related data or information that is stored together as a single unit.
Sort	Organising data by a rule such as alphabetical or numerical.

Key Images

Filter Tool: Filter [Planet] equals [Zorg]

Sort Tool: Sort [Population 2020] up

Graph Tool: Chart with X-Axis: Planet, Y-Axis: Diameter (km)

Group Tool: Group [name]

Calculate Tool: Calculate [Count]

Table Link Tool: Link Tables [students] [name] =

Expand Tool: Expand icon

Combining Operators: and or

Key Resources

Data Detectives

Database Query Tools

Filter: Filter [Planet] equals [Zorg]

Sort: Sort [Distance to Sun (million)] up

Calculate: Calculate [Count]

Chart: Chart showing data for Planet vs Diameter (km)

Group: Group [name]