



# HAWTHORN PARK COMMUNITY PRIMARY SCHOOL

Where Care and Learning Count

Headteacher: Mrs Jeni Houghton



Computing Knowledge Organiser

Area: Databases

Year Group: 5 / 6

## By the end of this unit pupils will be able to:

- Collect and record information using databases
- Carry out complex searches (e.g. using and/or;  $\leq$  /  $\geq$ )
- Solve problems and present answers using data tools.
- Analyse information and question data.
- Identify poor quality data.
- Select appropriate use of a data logger for an investigation and interpret the findings

## Prior Learning:

- 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.
- ability to plan the structure and layout of presentations, create hyperlinks to produce non-linear presentations, looking at data using databases.

## Key Facts and vocabulary

### Searching a database

- You can run queries to filter your data.
- For example, you might want to know how many children in the group have brown hair. You can make a query to find out that information. When you run the query it will then filter the data down to show you the selected fields.

### 'OR' searches

- You can run more complex searches on your data-base by using the 'or' function in your design wizard.
- When the query is run, it will pull out all of the children who have brown hair OR who have blue eyes.

### 'AND' Searches

- You can also run queries that will filter you data to find a given field AND another.
- When the query is run, it will pull out all of the children who have brown hair AND blue eyes.

### Survey

- a research method used for collecting data from a pre-defined group of individuals.

### Questionnaire

- a set of printed or written questions with a choice of answers.

### Data collection

- the process of gathering and measuring information on variables of interest.

