

# Y5 Computing N2K – Data and Information – Flat File Databases Spring 2

## Concepts

### **Information Technology**

Use technology purposefully to create, organise, store, manipulate and retrieve digital content.

### **Digital Literacy**

Recognise common uses of information technology beyond school.  
Use technology safely, respectfully and responsibly.

## Key Skills

- To use a form to record information.
- To compare paper and computer-based databases.
- To outline how you can answer questions by grouping and then sorting data.
- To explain that tools can be used to select specific data.

## Enquiry Questions

How can you group and sort information?

What tools can be used to create specific data?

How do computer programs compare data visually?

Runner	Race	Age	Time
Wendy	10K	29	0:42:19
Dave	10K	31	1:01:20
Paul	5K	22	0:16:05
Jonas	10K	53	0:53:17
Tim	5K	40	0:21:15
Lacey	5K	21	0:33:18
Sandra	5K	68	0:19:22
Dave	5K	31	0:32:00
Wendy	5K	37	0:20:05
Marcus	5K	24	0:24:17
Brian	5K	38	0:32:19
Anita	5K	39	0:30:03

## Key Vocabulary

**Attribute (property)** - A word or a phrase that can be used to describe an object such as its colour, size, or price.

**Data** - A letter, word, number etc. that has been collected for a purpose, but stored without context.

**Information** - Data put into a context that provides meaning.

**Object** - Something that can be named and has other attributes (properties), which can be labelled.

**Flat File Database** - A database stored in a file called a flat file. Records follow a uniform format, and there are no structures for indexing or recognizing relationships between records.