













Quick View

System Down

There are 3 parts to this lesson:

1	Introduction: What is a database?	  
2	Completing the task	      
3	Plenary: Lesson review	 
	Homework: Sorting information in a database	

Delivery

1. Introduction: What is a database?

The aim of the introduction is to ensure that pupils understand what is meant by the term 'database'.

Develop this by asking pupils:

- What is meant by the term database?
- For examples of databases, e.g. school database.
- Apart from storing data, what else can databases do?

Discuss the general concept of databases with the class.

Distribute **handoutSD** and explain the task.

2. Completing the task

Ensure that pupils have the **handoutSD**. This requires them to work through several tasks about databases.

Develop this by:

- Sharing good practice with the class as the work progresses.

3. Plenary: Lesson review

Review the task and discuss possible answers with the class.

- Ask a pupil to act as scribe to summarise the answers.

Homework: Sorting databases

This may be a one off lesson, therefore the homework cannot be used as part of the preparation for next lesson unless you know that the system may still be down.

Give out **homeworkSD** this explains the task.

Pupils are required to sort given data by columns (fields) and answer associated questions.

Objectives

Finding Information

Pupils should be able to:

- Use information from primary or secondary sources.
- Identify the significant data required to solve a problem.
- Consider examples of electronic databases in everyday life.

Pupils should be taught to:

- Understand the concept 'database'.
- Identify where databases are used.
- Understand how databases store their data

Preparation

Have you:

- Identified the key elements of this lesson
- Understood the school ICT policy in the areas that may affect this lesson
- Thought about the seating arrangements for any large group demonstration
- Prepared any OHPs of the **handoutSD**
- Duplicated the **handoutSD**
- Prepared any extra work to be used for differentiation
- Prepared any work that teaching assistants may require

Required IT skills for this lesson:

As the system is down for this lesson, there are no online skill tutorials or demonstrations available.

Differentiation & Extension

Consider the following for some pupils:

- A wall display showing a definition of the term 'database'
- Prepared examples of databases
- Prepare an OHP of the task

Homework & Language

Homework:

This may be a one off lesson, therefore the homework cannot be used as part of the preparation for next lesson unless you know that the system may still be down.

Give out **homeworkSD** this explains the task.

Pupils are required to sort given data by columns (fields) and answer associated questions.

Language for learning:

columns

rows

Resources

For this lesson:

You will need:

- Blackboard, whiteboard, OHP or flipchart
- **HandoutSD** and suitable plain paper

Teacher Resources:

These are accessed by opening the **Teacher Resources File** on the CD (or network)

Resource Description	Filename	Format
Worksheet about databases	handoutSD	Word PDF
Worksheet answers	answersSD	Word PDF
Homework sheet	homeworkSD	Word PDF
Homework answers	answersSD2	Word PDF