



KS2-3

lesson plans 

Multuser Database

Learning Objectives

Design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Learning Outcomes

All children: will collect and present data and information.

Most children: will collect, present and analyse data and information.

Some children: will collect, present, analyse and evaluate data and information.

Cross curricular links

Key Stage 2 - Maths

Interpret and present data using bar charts, pictograms and tables.

Vocabulary

(see glossary j2e.com/data/glossary).

Resources

Template:

j2e.com/data/examples/pupils



Introduction

Prior to the lesson, load the template and save a copy in your own file area. Then share the file with the class by clicking on the green "i" button in the corner of the file. Select share from the menu and click on the blue arrows at the end of the box. This will give a list of users to share with. Select your class. Make sure the tick box is selected to allow saving.

Main Activities

Discuss with the pupils the idea of populating a database where information is shared across the class. Discuss scenarios where this could be helpful, for example, answering questions such as "what is the most common shoe size for the class?" "Is there a link between height and shoe size?".

Show the pupils how to load the template from shared files. Discuss information that they need to fill in.

Task 1

Load the database template from the shared files area. Click the form tab and fill in your details. If details for a pupil are already showing, you will need to click on the "new record" button in the bottom right hand corner first.

When you have finished, click the small save button at the bottom of the form.
(Have tape measures handy to measure heights).

Stop the class

Discuss any problems. Click on the table tab. The children will now see all of the information that has been added.

Task 2

Use the graph tab of the database to answer the following questions:-

"What is the most common shoe size for the class?" "Is there a link between height and shoe size?".

These can be answered by creating a bar graph of shoe sizes, and a scatter graph with height in the x axis and shoe size in the y axis.

Challenge

Add other fields to the database and try to see if there is a relationship between them. For example, hand span and arm length.

Follow up activities

Multiuser databases can be used for other subjects for example, inputting data collected from a minibeast hunt in the local environment.



Assessment

Children can save their work enabling the teacher to assess what they have produced after the lesson.

