

## ICT Lesson Plan IE

<b>QCA Unit</b>	1E (Representing Information Graphically: Pictograms)		
<b>Year Group</b>	1	<b>Number in class</b>	
<b>Time for lesson</b>	1hr.	<b>No. of computers</b>	
<b>Preparation</b> None			
<b>Resources</b> 2Count Previous lesson: Wall display of the 'card' pictogram showing modes of transport.			
<b>Learning objectives</b> <ul style="list-style-type: none"> <li>• To know that ICT can be used to create pictograms</li> </ul>			
<b>Technical Vocabulary</b> Icons                      Collect                      Pictogram			
<b>Assessment</b> Teacher/LSA observation – that the children <ul style="list-style-type: none"> <li>• Accurately enter collected data/information into a graphing program with a pictogram facility</li> <li>• Understand that a computer can be used to create pictograms</li> </ul>			
<b>Introduction ( 10 mins)</b>  <p><b>Setting the Scene:</b> Whole class: Tell the children that they are going to find out/collect information about which is the most/least common pet in the class. Discuss which pets will be included in the data collection and then remind the children they can only choose 1 pet (NB cat, dog, fish, mouse and bird are ready-made in 2Count. If other pets are chosen, the pets will have to be drawn using the My Pictures option in 2Count.) Record the results as a tally chart on the flip chart. Children add up totals for each pet. What is the most /least common pet?</p> <p><b>Recap:</b> Discuss how our information about modes of transport used to get to school was displayed i.e. symbols of transport drawn on squared card and vertically stuck on the wall. What was this type of display called? This time we are going to use the computer to create the pictogram.</p>			

**Main activity ( 40 mins)**

**10 mins** Teacher demonstration: How to load 2Count program – ask a child to load the program by clicking on the 2Count icon and to select a new file, choosing Pets from the drop down list. Show the children how to enter the data/information by clicking on a picture/icon of a pet (NB If pets other than cat, dog, fish, mouse or bird have been chosen, demonstrate how to draw their own pictures.)

Children working in pairs:

**20 mins** Children taking turns will enter the survey data/information about pets. Remind the children to check, using the information on the flipchart, that their totals are accurate for each pet.

**5 mins** Teacher demonstration how to delete pets (to correct inaccurate data entry) from the pictogram i.e. by changing the number.

More able children can be encouraged to present the data in different formats e.g. drawing their own pictures or using 2Graph

Use of additional support: LSA will support Group 1.

**5 mins** Teacher demonstration how to printout graphs.  
After asking permission, the children will print out their pictograms.

**Plenary ( 10 mins)**

Ask the children was it easier creating a pictogram using symbols drawn on squares of card and mounting on the wall or using the computer? Explain why?

Ask the children to look at their printout of the pictogram – Which is the most common pet? Which is the least common pet?

Which pictogram looks the best – wall or computer? Explain why?

**Homework**

None

The Buckinghamshire ICT Curriculum Support Team contributed this lesson plan. Additional resources to support this lesson may be found at <http://www.bucksict.org.uk/Downloads/LessonPlans.htm>