

Technology Integration Lesson Plan

Content Area: Technology and Math Integration

Topic: Graphs

Grade Level: First

Time to Complete: Two 45 minute sessions

Technology Focus/Application TEKS: 1 A-C, 2 A-E

Content Area TEKS: 1.9, 1.10, 1.12A, 1.13

Content Objectives:

1. The student will fill in a graph from the math textbook or other source.
2. The student will transfer that information to a chart.
3. The student will create an Excel graph displaying chart information.

Resources/Materials:

1. Math textbook or other data source
2. Chart grid for transfer of information
3. Computer with Excel application

Lesson Procedure:

1. Introduce the idea of recording information on a chart or graph.
2. As a group, survey the class to fill in one of the graphs the math book or other source.
3. Transfer the results onto chart grid.
4. Using the information on the chart, create an excel chart on the computer. (See detailed description of procedure)

Types of Assessment: Completed graph from math book, transferred information to chart, completed and printed excel graph.

Procedure

- After the students have logged on to the computer, direct them to open Office and then Excel.
- Explain to the students that the boxes they are putting their information into are called "cells". Also, it is helpful to make sure they know **where** A-1, A-2, etc... are located.

- Using the chart grid, explain how to enter the numbers onto the computer spreadsheet step by step, as a whole group. Monitor students to ensure their understanding. When all the information is entered, have partners check each other's screen and then the teacher can verify correct information on the spreadsheet
- Go to the top of the toolbar to select the chart wizard. From there, a window will come up that allows you to choose either a standard or custom chart. Pick the chart style that will best communicate the information you are displaying. Pictures of examples will be shown at the right of the screen.
- Click next and decide if you want rows or columns. Click next to see the title tab and three boxes to enter the chart title, x, and y axis. Have the students type the chart title along with their name. Ex: Favorite Foods-Susan
- Don't worry about typing anything for the x or y axis.
- Click next to see a screen that allows you to choose the chart to be a new sheet or part of the page. Select as a new sheet, then finish.
- The chart should appear as it will be when it is printed.
- Direct the students go to the toolbar and select "file" and then "print" to the appropriate printer.

Thank you to the Lewisville ISD teacher technologists for generously sharing their resources.