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**Links to websites
updated regularly at**

<http://www.teachercreated.com/url-updates/2448-2>

Pie, Bar, and Line Graphs

Objectives:

- Understanding a basic spreadsheet
- Learning terms such as a cell, X-axis, and Y-axis
- Entering data into a spreadsheet
- Understanding the pie, bar, and line graphs
- Copying and pasting clip art from another program

| | A | B | C | D |
|---|-------------|----------|----------|---|
| 1 | | CLASS 6A | CLASS 6B | |
| 2 | Colorado | 6 | 2 | |
| 3 | Texas | 2 | 4 | |
| 4 | Stayed Home | 7 | 8 | |
| 5 | Michigan | 2 | 1 | |
| 6 | Florida | 3 | 4 | |

Application Needed:

A spreadsheet application will be necessary for this project, such as *Microsoft Excel*®. Clip art should also be available.

Instructions:

1. Discuss spreadsheet terminology with your students. The basic terminology they need to know is “cell,” “X-axis,” and “Y-axis.” (If they are doing a pie graph, it is not necessary to discuss the X-axis and Y-axis.) Demonstrate how to enter data into a cell.
2. Collect class data. Pick a student recorder to write down data on the whiteboard. Get a total count for the entire class as to where they went on their holiday break.
3. In cell A2, enter the first destination.
4. In cell A3, enter the next destination. Continue this process down in the A column until all destinations have been typed.
5. In cell B2, enter the total number of students who went to destination #1.
6. Continue this process down until all numbers have been entered.
7. Use the data to create the graph.
8. Add a chart title, X-axis title, and Y-axis title.
9. Copy and paste clip art.

Extension Ideas:

Use different topics instead of holiday break, such as summer vacation or cities where students were born. Add another dimension to your graph by doing a comparative graph. (See the example on the next page.) You will need to enter your data into the spreadsheet slightly differently, as in the example above.

Pie, Bar, and Line Graphs (cont.)

