

Graphing Turkey Consumption

Objectives

- Students will analyze how much turkey is consumed around the world.
- Students will research on the Internet to gather data on turkey consumption.
- Students will record the data into a spreadsheet program and graph the results.
- Students will choose appropriate graphs to depict data.
- Students will write about their findings.

Technology Skills Developed

- using the Internet for research
- using a spreadsheet to analyze and graph data
- using a word processor to evaluate findings

Programs Needed

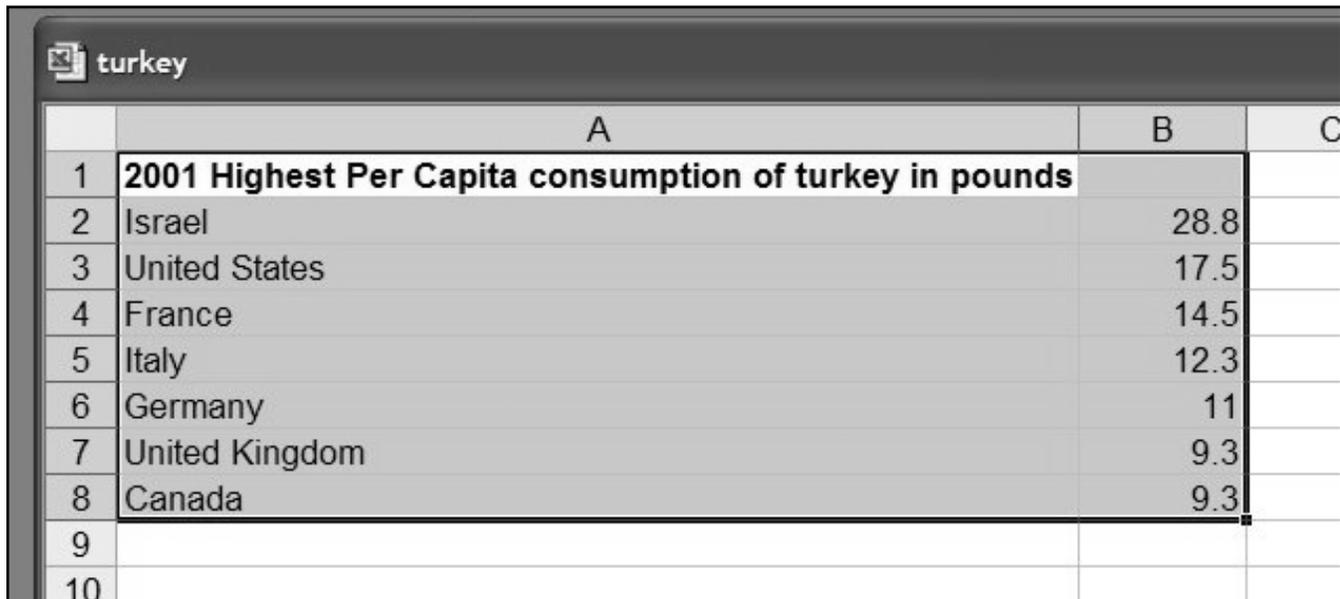
- access to the Internet
- a spreadsheet program such as *Microsoft Excel*
- a word processing program such as *Microsoft Word*

Step-by-Step Instructions

1. Discuss the fact that different countries around the world consume different amounts and types of meat. Turkey consumption will be the focus for this lesson.
2. Assign students to work in teams to gather data on turkey consumption from the Internet.
3. Direct students to go online and search for data based on specific keywords such as: “turkey consumption,” “turkey data,” and “turkey production.”
4. Students should record data based on the criteria you have given them. In the examples for this lesson, turkey consumption around the world in 2001 will be the focus.
5. Have students open a new spreadsheet and enter the names of the countries in cells A2–A8.
6. Students should enter number of pounds consumed in cells B2–B8.
7. Direct students to enter a title for the spreadsheet in cell A1.

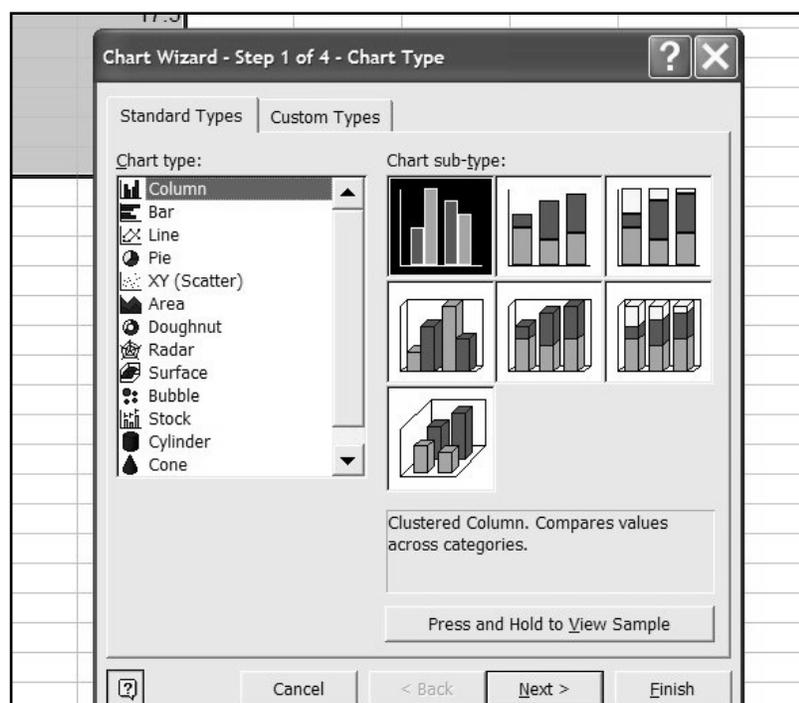
Graphing Turkey Consumption *(cont.)*

- If students move the cursor directly onto the vertical line between columns A and B, they will see the cursor turn into a crossbar. They should click and drag the cursor to make column A wider in order to hold the entire title.
- Have students highlight the countries and number of pounds consumed data. Note that the first cell in a spreadsheet does not appear to be highlighted, which is normal.



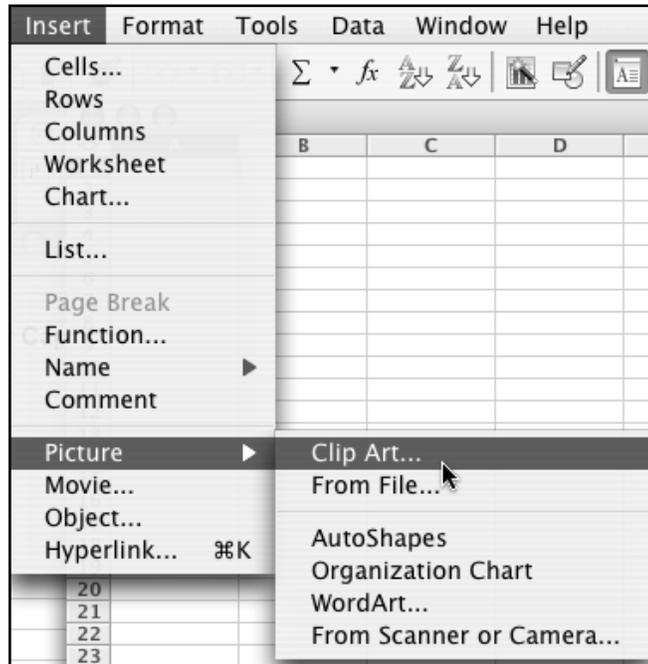
	A	B	C
1	2001 Highest Per Capita consumption of turkey in pounds		
2	Israel	28.8	
3	United States	17.5	
4	France	14.5	
5	Italy	12.3	
6	Germany	11	
7	United Kingdom	9.3	
8	Canada	9.3	
9			
10			

- Direct students to click in the chart wizard on the toolbar and follow the steps provided. At this part of the lesson, it would be helpful to discuss the various types of graphs and the pros and cons of each type.



Graphing Turkey Consumption *(cont.)*

11. Once the students have selected the types of graphs they would like to use, they will be prompted to add titles for their graphs and labels for the X and Y axis. Be sure students are familiar with these terms, so that the graphs are labeled correctly.
12. Once the graphs are complete, students will need to decide if the graph is to be placed on the same sheet as the spreadsheet or on a different page.
13. For an additional challenge, students can add clip art to each bar or piece of the pie to better represent each country. To do this, they go to the **Insert** menu and select **Picture**, then **Clip Art**.



14. Once students have completed their graphs, they should study them, reflect with their partners or team, and make draw some conclusions as to why more turkey is consumed in some parts of the world in comparison to others.
15. Students can word process their conclusions and share them with the class.

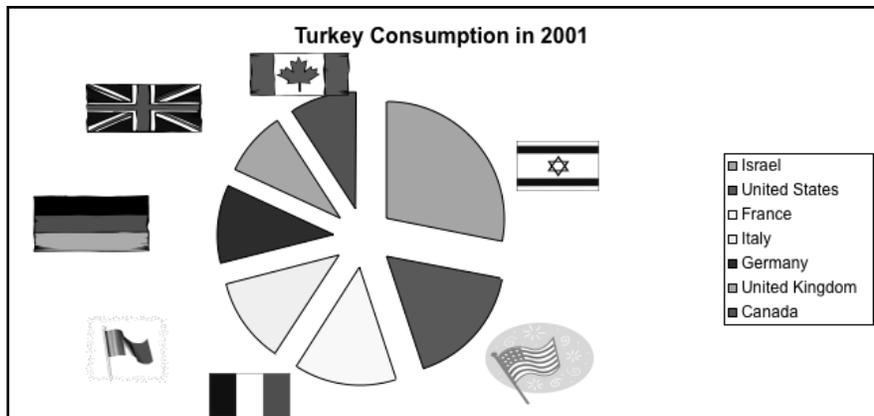
Extension Ideas

- This lesson could be done in a variety of ways. If focusing on turkey, students could research the number of turkeys produced each year within the United States or the world. Students could look at turkey production as compared to other meats such as beef, pork or lamb. Students could research vegetarians vs. meat eaters in the US as compared to around the world.

Graphing Turkey Consumption *(cont.)*

Sample Turkey Consumption in 2001 Graphs

	A	B	C
1	2001 Highest Per Capita consumption of turkey in pounds		
2	Israel	28.8	
3	United States	17.5	
4	France	14.5	
5	Italy	12.3	
6	Germany	11	
7	United Kingdom	9.3	
8	Canada	9.3	
9			
10			



Graphing Turkey Consumption (cont.)

Sample Turkey Consumption in 2001 Graphs (cont.)

