

Lesson Title: Favorite Food Graph

Subject Areas: Math

Grade Level: Second

Time Required: 45 minutes

Author(s): Robin Mullen (Leeds Elementary School)

Lesson Summary:

Students will use ClarisWorks for Kids to create a graph to display their data on their favorite foods.

Outcomes/Indicators:

- 11.2.02 Students will organize and display data on a single vertical bar graph.
- 11.22.03 Students will describe, interpret and compare data from a single vertical bar graph.

Resources/Materials/Equipment

An organizer to question class group about their favorite food.
Access to the computer lab with ClarisWorks for Kids application.

Identify Computer Functions

Learning Task	Computer functions
Click and type in a spreadsheet table	ClarisWorks for Kids
Create a bar graph	ClarisWorks for Kids

Problem or Question Statement

Ask 12 friends which of these four foods they like the best: Pizza, Chicken Patty, Hot Dog, Chef Salad. Tally your votes and then create a bar graph on ClarisWorks for Kids.

Data Manipulation

Computer Function	Computer Application	Data manipulation
Choose bar graphs program	Open ClarisWorks for Kids	
Click in the table above the graph	ClarisWorks for Kids	Type in graph title
Click in label section	ClarisWorks for Kids	Type in each label
Click in number section	ClarisWorks for Kids	Type in each number
Click in Notes section	ClarisWorks for Kids	Write about graph
Print out graph	ClarisWorks for Kids	

Results Presentation

Students will save their graph to their own folder rather than to the ClarisWorks for Kids folder. They will print out one copy for their teacher.

Multidimensional Activities

Activities Prior to computer

Understanding of the parts of a bar graph.

Understanding how to canvas a group using tally marks to determine favorite choices.

Prior knowledge of logging onto computers at the computer lab.

Understanding how to choose a printer and use of the print command

Understanding how to save a document to a different place.

Activities while at computer

Students will use their word processing skills to type in all of their graphing information into a spread sheet table.

Students will write a sentence about their completed graph.

Students will print one copy of their graph.

Students will save their work to their own folder outside of ClarisWorks.

Activities after using computer

Students will read the graphs made by fellow students.

Students will evaluate is all the parts of a bar graph are present.

Assessment

Rubric

2 = Students have a completed bar graph that includes four food choices. The graph has a title, labels for food and numbers, and the graph data matches the students tally sheet. The student has typed a sentence about his/her graph.

1 = Students have a printed bar graph that includes food choices. The graph has a title and some labels. Most of the graph matches their tally sheet. The student has typed a sentence about his/her graph.

0 = Students have an incomplete graph that does not match their tally sheet.

Needs groups

Enrichment

Students will choose the Graph Sheet to ten from ClarisWorks for Kids. They will use the paint can to fill in the blocks to form a bar graph. They will place the labels in the correct place on the graph.

Correctives

Teacher will show the student a printed copy of the graph to point at the parts of the graph that the child will need to type in on the computer graph.

Student helpers will help guide the student through the process.