Title: Read and Create a Bar Graph

Objectives		Time frame to Complete
To interpret data from bar graphs and to create a bar graph		30-45 minutes
using data relevant to life or to the field of study students plan to pursue. Bar graphs give information in a visual		NDO 551
format, making it easy to interpret information.		NRS EFL
		4
tion skills	vays	dmin dmin sch
le Ce intatii ogy Life s	Pathy dic icue Asst ardic omy	are A cy Te
Stackable Cert. Documentation Technology Study / Life skil	Career Pathways Police Paramedic Fire Rescue Medical Asst. EKG / Cardio	Practical Nursing Healthcare Admin Pharmacy Tech IMT AMT Welding Other:
Sta Doo Tec Stu EL-	Cal Pol Par Fire Mec	Practic Health IMT AMT HVAC Weldin Other:
×	×	

Standard(s) Addressed in Lesson

Use Math to Solve Problems and Communicate

Benchmark(s) Addressed in Lesson

M.4.20 Collect, organize and interpret data sets involving a single variable.

M.4.21 Create and interpret data sets using simple frequency distributions and appropriate graphs.

Materials

graph paper, colored pencils, samples of bar graphs in newspapers and texts, Smart Board or overhead projector (optional), computer, access to website: http://www.ncsu.edu/labwrite/res/gh/gh-bargraph.html

Learner Prior Knowledge

Students should be familiar with the information that will be used in creating their bar graphs. Graphs will include data relevant to life or to the field of study they plan to pursue.

Activities

- <u>Step 1</u> Show samples of horizontal and vertical bar graphs using data from newspapers, texts, and the above website. Samples can be shown on an overhead projector or on a Smart Board.
- <u>Step 2</u> Discuss importance of reading the title and the information illustrated on the x-axis and y-axis. Discuss as a group several sample bar graphs.
- <u>Step 3</u> Help students determine the information they want to show on a bar graph. They will title the graph and determine the information to list on the x-axis and y-axis.
- Step 4 Students will create a bar graph related to their future field of study, their job, or of relevance to their lives.
- Step 5 Students will share their bar graphs with a partner.

Assessment/Evidence

Collect and display the students' bar graphs. Have students discuss which ones clearly show the data.

Adaptations for Beginning Students

Beginning students may work with a partner.

Adaptations for Advanced Students Advanced students might want to create line and pie graphs.		
Teacher Reflection/Lesson Evaluation		
This lesson was created by Middletown ABLE.		