Title: Read and Create a Bar Graph

Objectives											Time frame to Complete													
To interpret data from bar graphs and to create a bar graph using data relevant to life or to the field of study students											•													
plan to pursue. Bar graphs give information in a visual format, making it easy to interpret information.									NRS EFL 4															
Stackable Cert. Documentation	Technology	Study / Life skills	EL-Civics	Career Pathways	Police	Paramedic	Fire Rescue	Medical Asst.	EKG / Cardio	Phlebotomy	Practical Nursing	Healthcare Admin	Pharmacy Tech	IMT	AMT	HVAC	Walding		Other:					_
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Standard(s) Addressed in Lesson																								
Use Math to Solve Problems and Communicate Benchmark(s) Addressed in Lesson																								
Benchmark(s) Addressed in Lesson M.4.20 Collect, organize and interpret data sets involving a single variable.																								
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: <u>http://www.ncsu.edu/labwrite/res/gh/gh-bargraph.html</u>																								
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.																								
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Step 1 Show samples of horizontal and vertical bar graphs using data from newspapers, texts, and the above													Э											
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																								
determine the information to list on the x-axis and y-axis. <u>Step 4</u> Students will create a bar graph related to their future field of study, their job, or of relevance to their lives.													es.											
Step 5	Stuc	lents v	vill sha	are thei	ir bar	grapl	hs w	vith a	a par	tner.				•										
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.