

Lesson Title: Line Graphs (day 4 of 5)
Unit: Graphs
Grade Level: 6th Grade
Estimated time requirement: 1 class period for the compilation of the data (additional small pieces of time each day for a week will be needed to eat and record blood sugar levels)
Summary: Students will record data and graph their results in a line graph.
Objectives:
<ul style="list-style-type: none"> • Students will create a line graph with data they have collected to show the change over time.
Texas Essential Knowledge and Skills: 10A, 10D, 11A, 12A, 13B
Assessment:
<ul style="list-style-type: none"> • Students will be given some sample data to create a line graph. The students should include a title, labels for the x- and y-axis, and use an appropriate scale for the given data.
Materials:
<ul style="list-style-type: none"> • Glucose monitor • Different types of cereal and breakfast foods • Nurse or other nutritional expert to explain the significance to students
Resources:
<ul style="list-style-type: none"> • Nurse
Prior Knowledge/Skills:
Procedures: Teacher or other subject will test his/her blood sugar at the beginning of class. Subject will eat various breakfast items each day and then test the blood sugar level after 30 minutes. Students will record the difference of the levels each day and graph the results in a line graph. Breakfast items to test will include such things as: sugary breakfast cereal, nutritional breakfast cereal, biscuit and sausage, breakfast burrito, and breakfast bars.
Modifications:
<ul style="list-style-type: none"> •
Technology Infusion:
<ul style="list-style-type: none"> • Students can watch the video on the teenage nutrition; they can make a graph on the TI-73 calculator showing the different results of the study.
Cultural Connections: Some of the breakfast items will be representative of the ethnic backgrounds of some of the students in our classroom.
Family Connection: Students will survey each other about what types of things they eat for breakfast. Students will also predict the nutritional value of food eaten.
Teacher: Lori Van Houten, Clack Middle School, Abilene ISD, Abilene, Texas