Title: Body Measurement Lab

Purpose:

- to use the metric measurement system
- to measure the dimensions of body parts
- to organize information into data charts
- to graph data
- to look for patterns of relationships

Materials:

tape measure
ruler
colored pens/pencils

Procedure:

1. Work with a partner
2. Determine the length or circumference of the following body parts and record in a data chart

height	wrist
back	upper leg
forearm	lower leg
upper arm	entire leg
entire arm	foot
arm span	

3. Report data to teacher who will set up a master data chart on the computer.
4. Write a hypothesis about the relationship of any 2 pairs of measurements
5. Get measurements for these pairs from the rest of the class (use the master data chart that the teacher will print out for you!)
6. Graph these measurement pairs (line graph....title, axes, etc properly labeled.....)
7. Determine if your hypothesis is correct or incorrect (Hint....what is the shape or pattern in the graph.....refer to the pattern graphs earlier in your lab notebook)

Results:

These will be data charts (2) and graphs (2)

Discussion:

1. Summarize what you did.
2. Discuss how body part measurements are related to each other
   (if they are.....the answer may or may not depend on which pairs of measurements you selected....)
3. Mention sources of error
4. Suggest improvements

Conclusion: *(A one sentence testable statement that follows from your results, what you did, what you observed)*

Since you evaluated 2 paris of measurements, you should have 2 conclusions!

Reflection: (Personal statement)