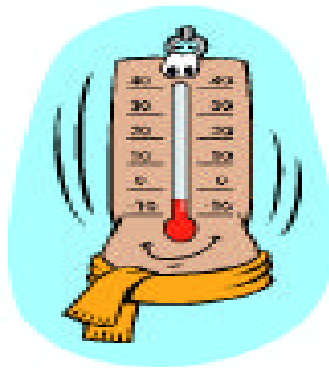calculate represent

annotate/share

DataGotchi
Deep Dive

capture/measure
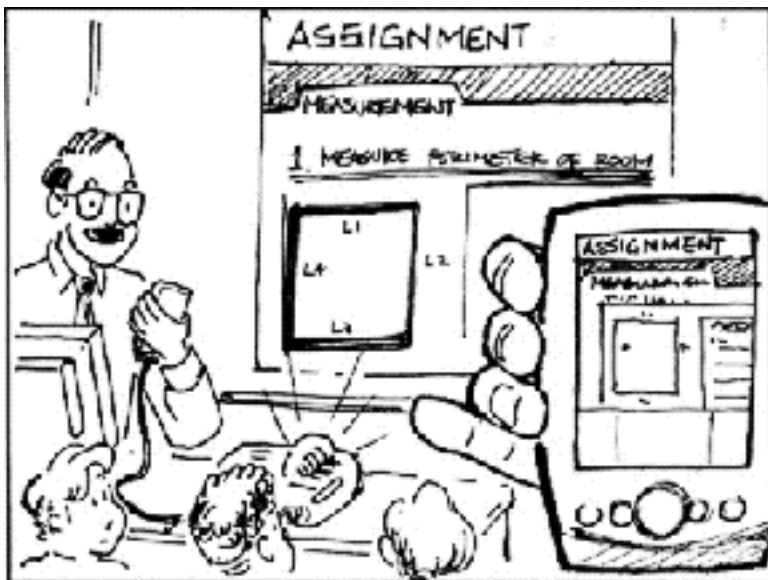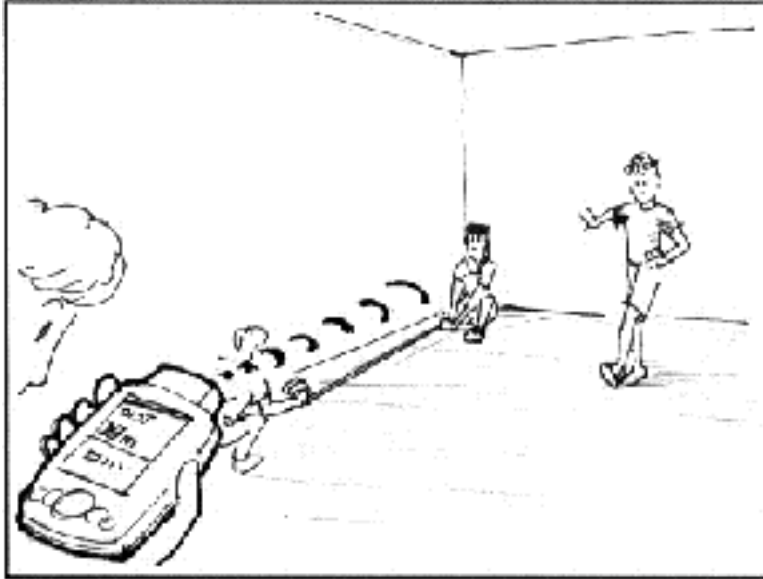
organize/document

Imagineering a low-cost, handheld mathematical tool for collaborative learning

Giving the Assignment

Mr. Keck introduces his class to the assignment and the measurement instruments they will use.

The assignment is to measure the perimeter and circumference of the room in several different ways.
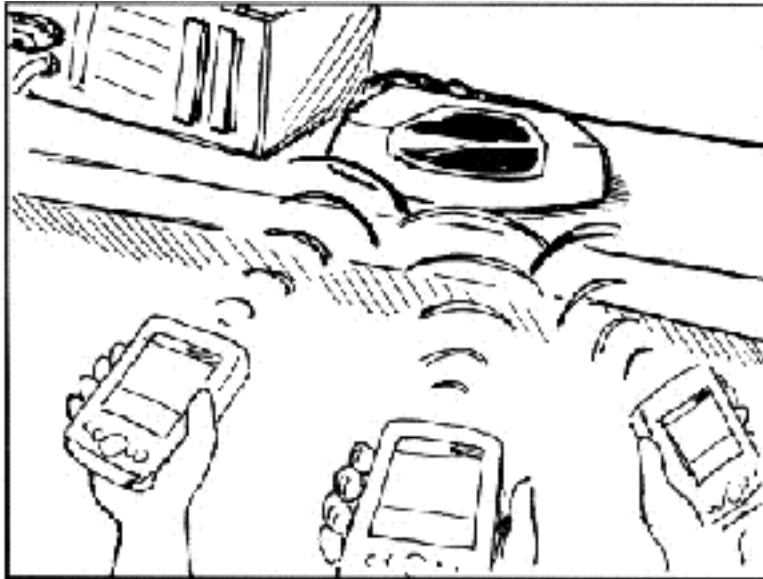
Tamara's team uses a sonar range-finder plug-in to their datagotchi to measure the distances.
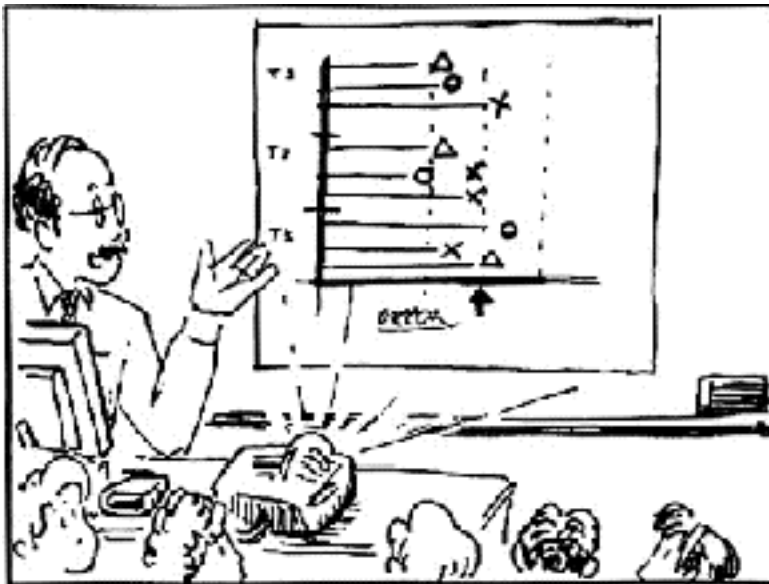
Meanwhile...

Other students are measuring the room in several different ways: by pacing off steps, by cutting a string to the right length and then measuring the string, etc.

Tamara records the information on their datagotchi and provides voice annotation.

The different teams beam their results into the teacher's portal.

Mr. Keck leads a discussion of the results of the measurements, and asks the students to consider how they might improve the accuracy of their results.