

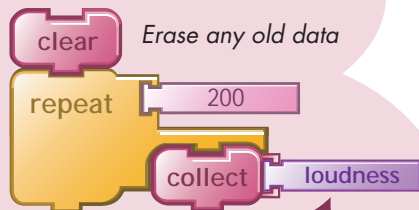
Playing with Data

Collect sensor data and play it back

How loud is your voice?



Collect data with a sound sensor to see how your voice gets louder and softer as you speak.

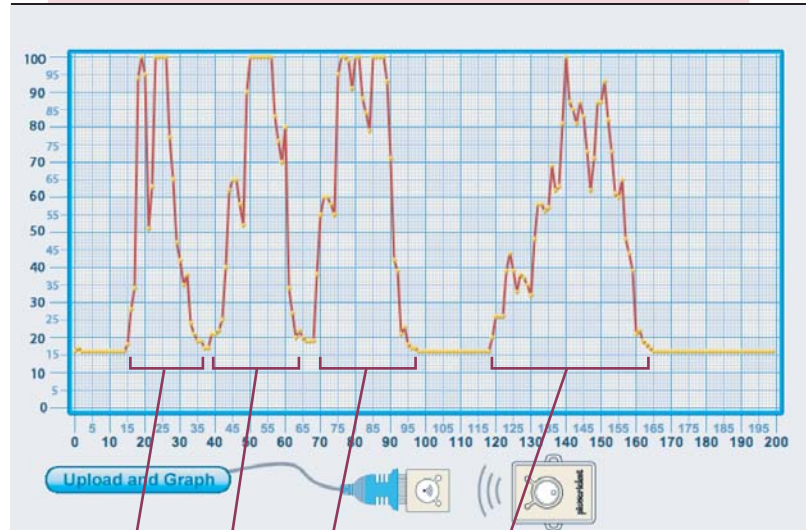


Measure how loud your voice is and store the number in the PicoCricket's memory. (0 = very quiet, 100 = very loud)

Graph it

Click **graph** to open the graph tool. Then point your PicoCricket towards the Beamer and click **Upload and Graph** to graph your data.

Can you "see" what you said?

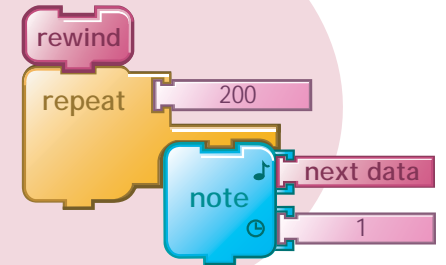


"hello, hello, hello,....helloooo!"

Musical playback



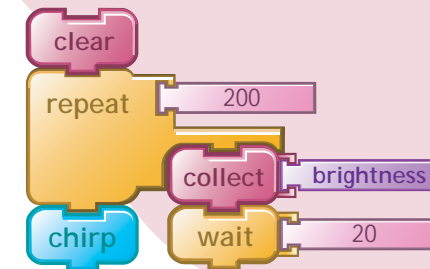
Make music with your data, using the numbers you collected to control the pitch of the notes. Listen to the pattern of the notes. Can you "hear" your words?



How bright is your walk?



Take a walk while wearing a light sensor - you might attach it to your hat or belt - and record how the brightness changes as you move from place to place. Now look at a graph of the data you collected. Can you tell where you went?



Wait 2 seconds (20 ticks) before collecting the next data point.

More Things To Try

- **Cool Data:** Put a PicoCricket in your refrigerator and collect light data. Does the refrigerator light really go out when you close the door? Can you tell when people in your house are snacking?
- Use your data to control the color of a light or the speed of a motor.

