

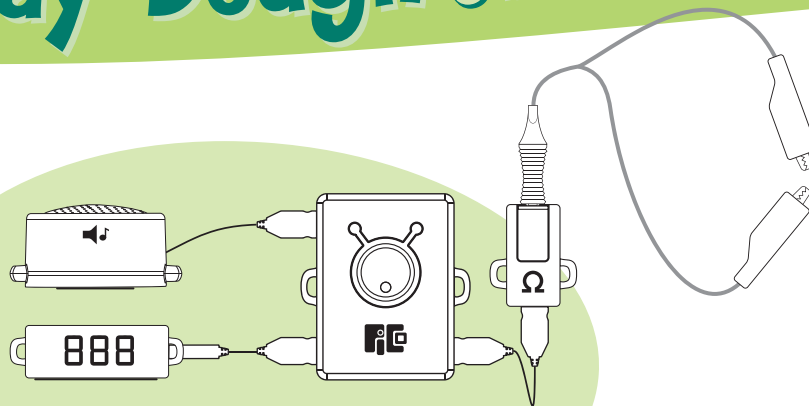
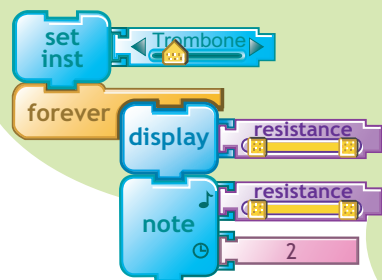
Musical Play-Dough

invent new kinds of musical instruments

www.picocricket.com

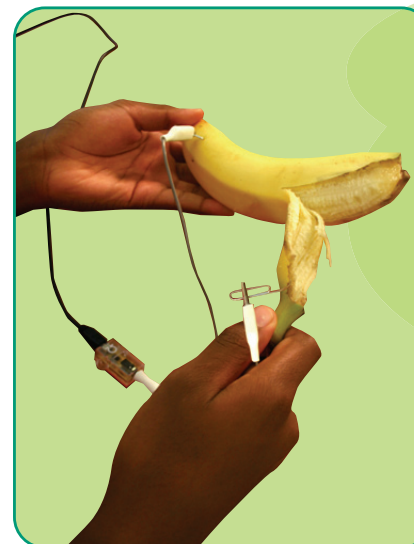
Get Connected

You can use the resistance sensor to create new types of musical instruments.



This program measures the resistance in the circuit created with the alligator clips, then plays a musical note based on the resistance. The bigger the resistance, the higher the note.

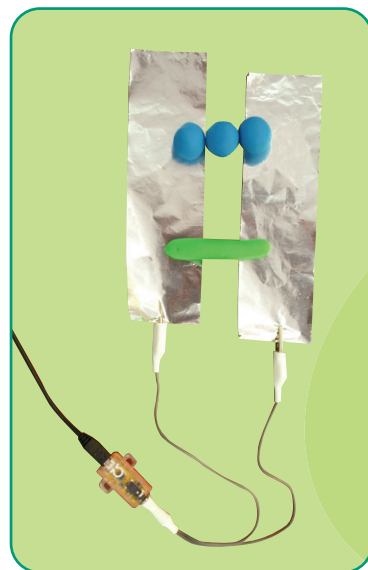
Listen to the sound change when you touch the resistance sensor's metal clips together. Put yourself in the circuit by touching the clips with moist fingers.



Electric Banana

Unbend a metal paper clip and jab it into the bottom of a banana so that it sticks into the fruity part. Stick another paper clip in near the top of the banana skin. Attach the resistance sensor to the paper clips.

Peel it!



Play-Dough Piano

Tape down two strips of aluminum foil and attach an alligator clip to each strip. Try completing the circuit by creating different types of Play-Dough bridges: a chain of balls or a thin snake perhaps. (It will work best if your Play-Dough is not dried out.)

Squish it!

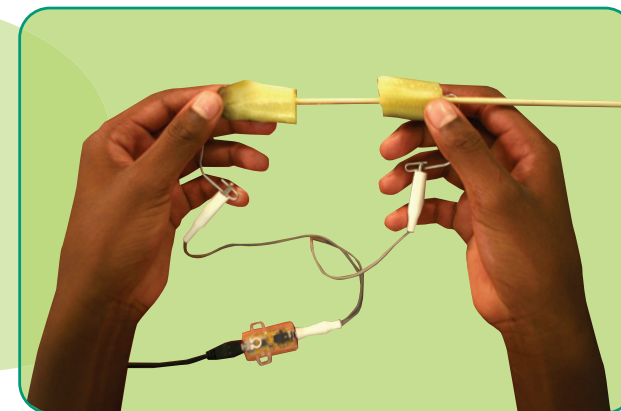


Use the sliders on the resistance block to hear a wider range of notes as you squish the Play-Dough. For help, get the ? from the toolbar and click on the resistance block.

Pickle-Oh

Slide two juicy pickle slices onto a smooth wooden stick. Jab paper clips into the pickles slices. Attach the resistance sensor to the paper clips.

Slide it!



More Things To Try

- Instead of controlling the pitch, try controlling the volume, instrument, or tempo
- Try using a light sensor instead of a resistance sensor
- Try different instruments: trombone, piano, duck...

Which foods make the best conductors?

Can you tune a fish sandwich?