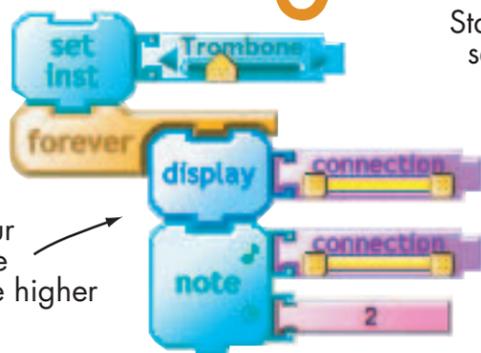


# Musical Play-Dough

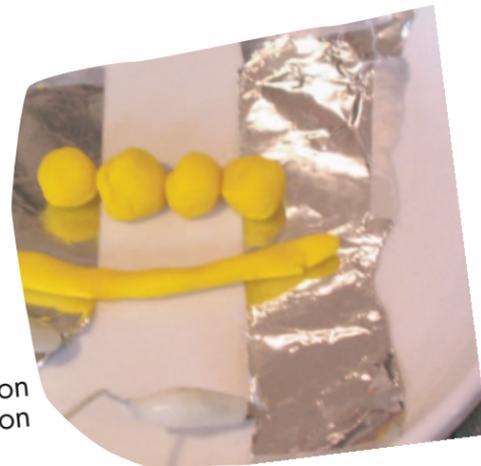
invent new kinds of musical instruments



Use this program for your instruments—the better the electrical connection, the higher the note that plays.

Start by attaching a connection sensor and a display to a Cricket.

Listen to how the sound changes when you touch the metal clips on the connection sensor to one another, together. Or put yourself in the circuit by touching the clips with moist fingers.



Squish it!

## Connect with Play-Dough

Tape two strips of foil (gum wrappers) to a clean plate 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.

Not getting as much variation in the connection as you'd like? Use the sliders on the connection block to "zoom in".

# PLAY WITH YOUR FOOD!



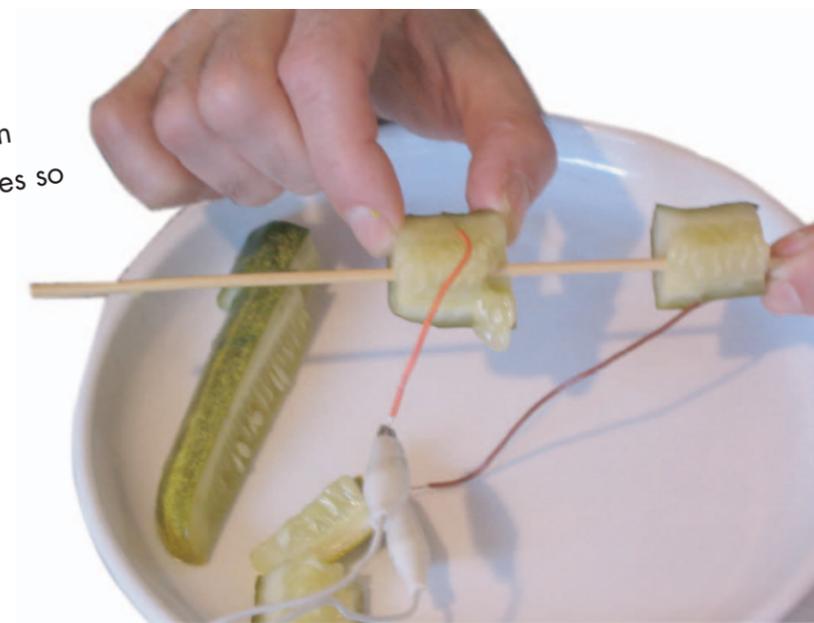
## Electric Banana

Job one metal wire into the bottom of a banana so that it is sticking into the fruity part.

Stick another wire to the top part of the banana skin.

Attach the clips of the connection sensor.

Peel it!



## Pickle-Oh

Slide two juicy pickle slices onto a smooth wooden stick and stick wires into the pickles so that you can measure the connection.

Slide it!

Which foods make the best conductors?  
Can you tune a fish sandwich?

## The sweet sound of pudding

Put some pudding in a metal cup.

Connect one of the connection sensor's clips to the cup and the other clip to a metal spoon.

Stir it!



### More Things To Try

- Instead of controlling the pitch try changing the volume instrument tempo
- Try using a brightness sensor instead of a connection sensor