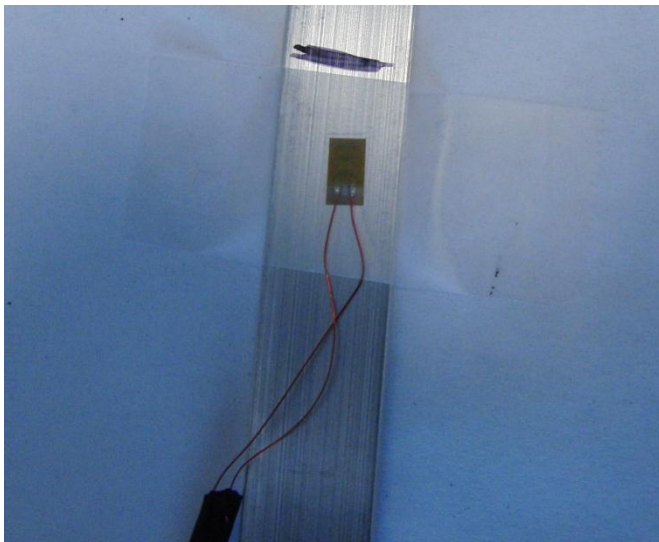
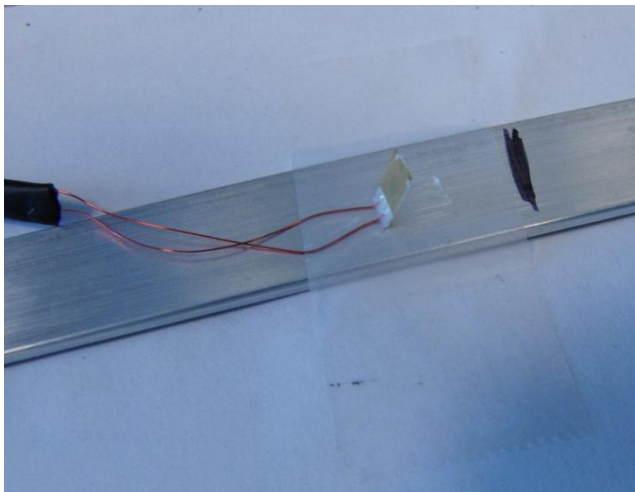


## Installing the strain gauge

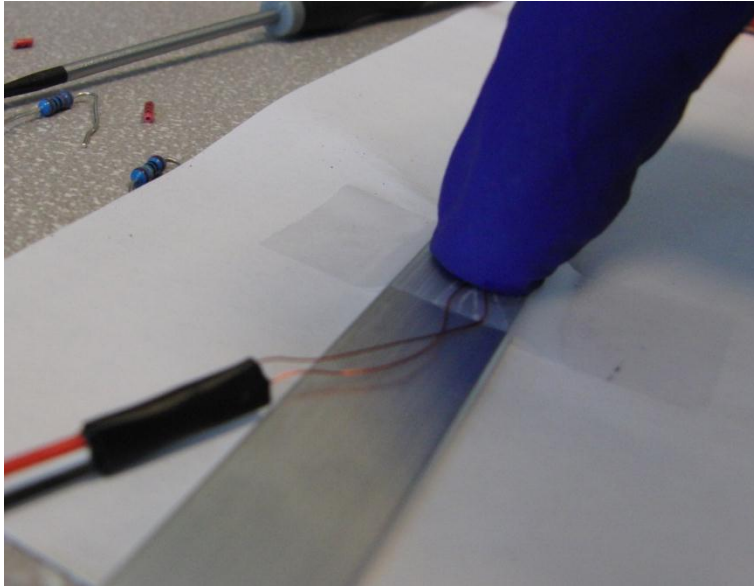
- 1) Mark a line about 1 inch in from the end of the small aluminum bar which does not have the small hole drilled. Leave enough room from the end for the clamp to attach bar to your desk.
- 2) Clean the area where you are going to attach the strain gauge with alcohol and a cotton ball. Allow the area to fully dry.
- 3) Attach the strain gauge in the orientation shown with Scotch tape. Above the black line is the 1 inch area where the clamp will attach. The strain gauge needs to have its long axis aligned with the bar. The soldered wires need to face upwards.



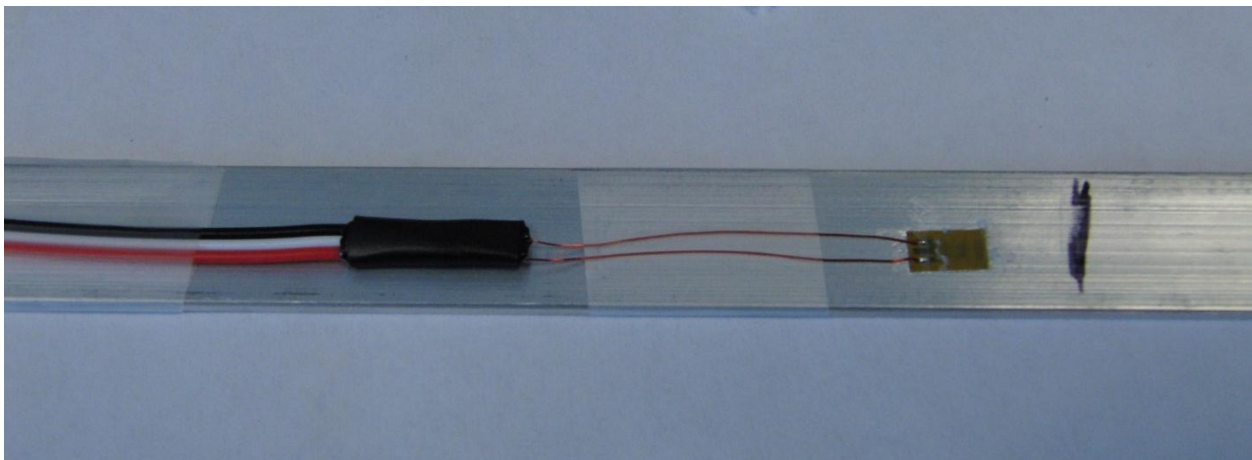
- 4) Use a razor blade and very very carefully, cut the tape (not the strain gauge) on three sides. Leave the tape alone where the wires are. Use the razor to carefully lift up the strain gauge as shown.



- 5) Using a lab glove, place a tiny dot of super glue under the strain gauge. Push down with your finger and hold for 15 seconds or so for the glue to dry.



- 6) Being careful not to pull on the wires too hard, align the wires with the aluminum bar. Tape the wires down to hold them in place and keep them from pulling off.



- 7) Cantilever the bar off the edge of the desk with the clamp. The strain gauge should be just over the edge of the corner of the desk.
- 8) Thread a short piece of fishing line through the hole in the end hanging off the desk. Tie a knot. On the other end of the fishing line, make a hook with a paper clip and tie it to the fishing line.

