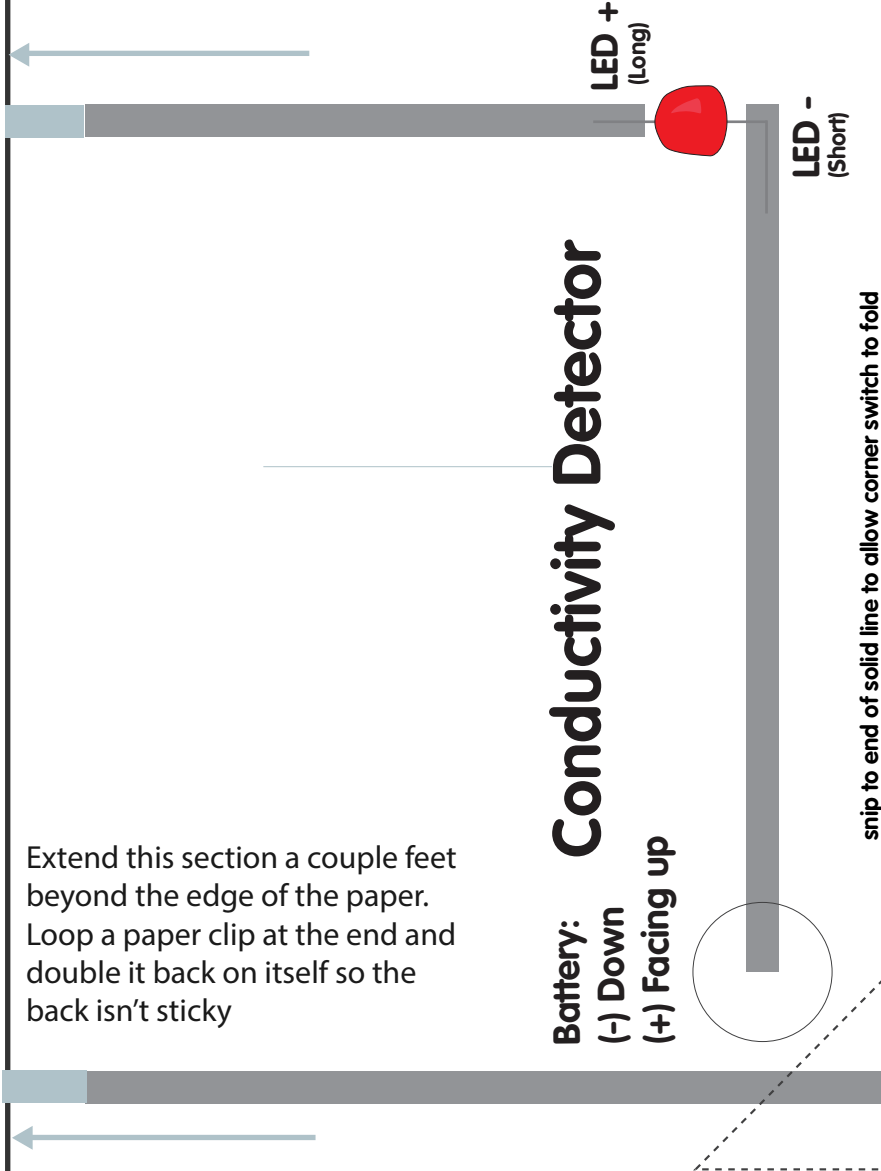


Extend this section a couple feet beyond the edge of the paper. Loop a paper clip at the end and double it back on itself so the back isn't sticky



Conductivity Detector

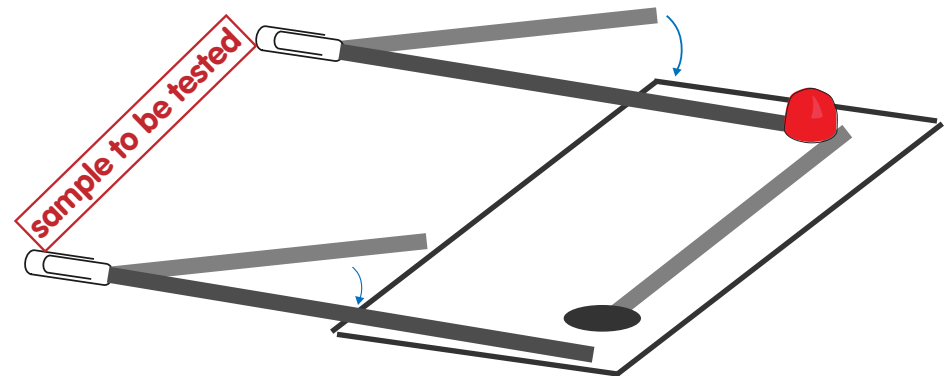
snip to end of solid line to allow corner switch to fold

Conductivity

The flow of tiny electrons that we call electricity cannot move across all materials easily. Knowing what it can and cannot travel across helps us control where they go and don't go!

- **Conductors** allow electricity to travel
- **Insulators** do not allow electricity to travel

Follow the template and tips below to build the Conductivity Detector on the left. With the battery connected and clipped in place with a binder clip. Now, touch any material between the two paper clips. If the LED lights up that means the pathway is complete and the material between the clips is allowing electricity to travel across it. If the LED is off, the opposite is true. Chart your test results on the printable data sheet!



*Extend tape paths pictured off on circuit card and double back around paperclips so these lengths do not have sticky backs & hang off the edge.