

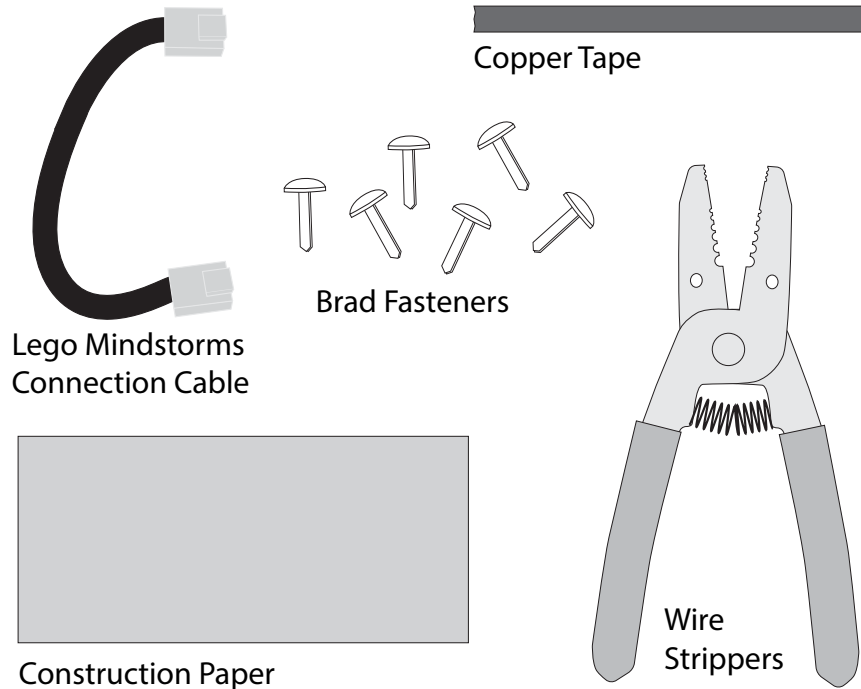
# LEGO: Interface with craft

<http://dwig.lmc.gatech.edu/projects/prototypingpuppets/>

Georgia Tech  
Digital World Image Group  
An NSF AISL Funded Project

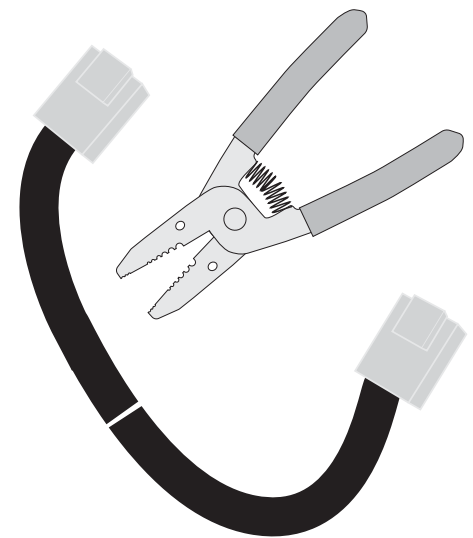
This document will teach you how to hack a Lego Mindstorms cord, so you can connect it to your own craft input and outputs.

## Materials and Tools:

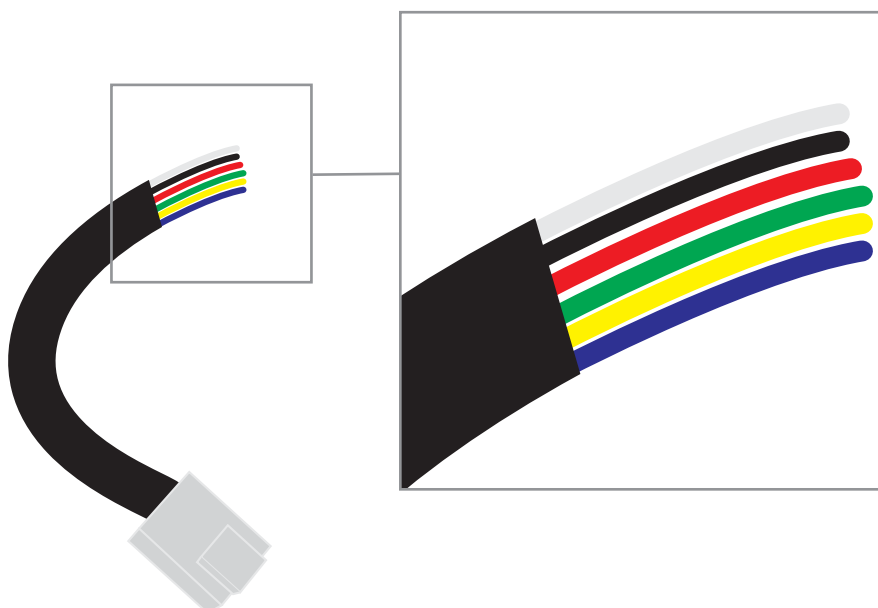


## Instructions:

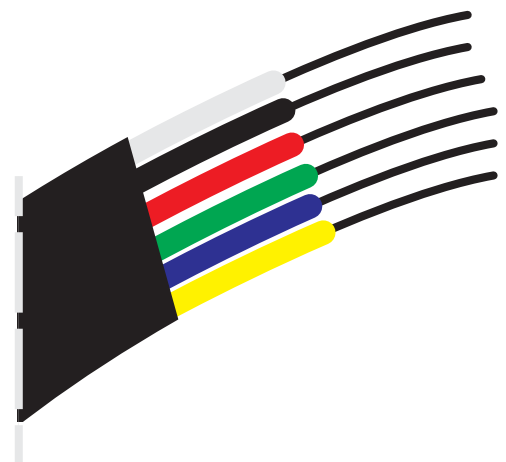
**Step 1:** Using the **wire strippers**: cut the **cable** in half.



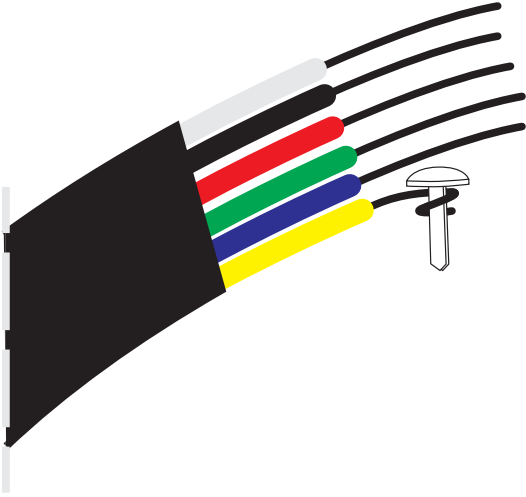
**Step 2:** Choose one half of the **cable**. Carefully remove some of the **black outer layer**, exposing the 6 different **colored wires** underneath.



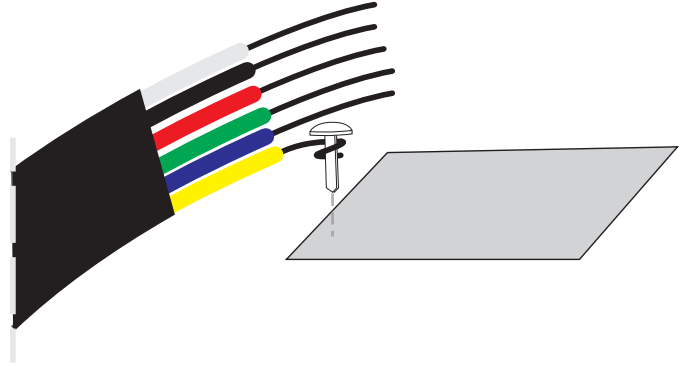
**Step 3:** Strip each **individual wire**, revealing **copper strands** underneath.



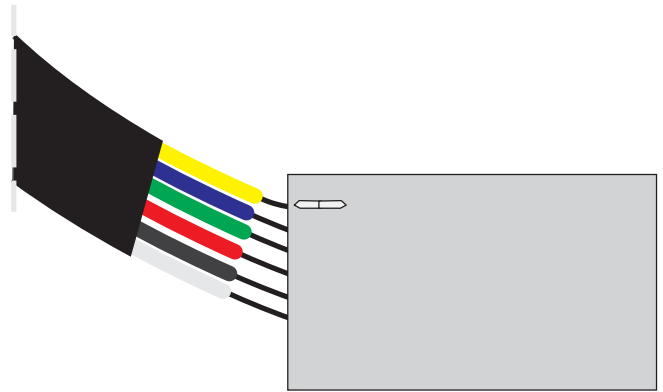
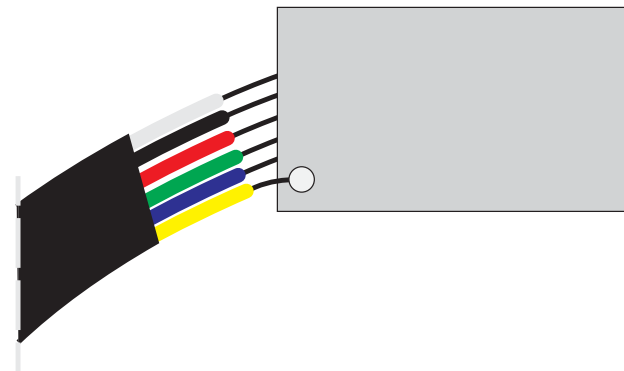
**Step 4:** *Wrap* the **exposed copper wire** around a **brad fastener**.



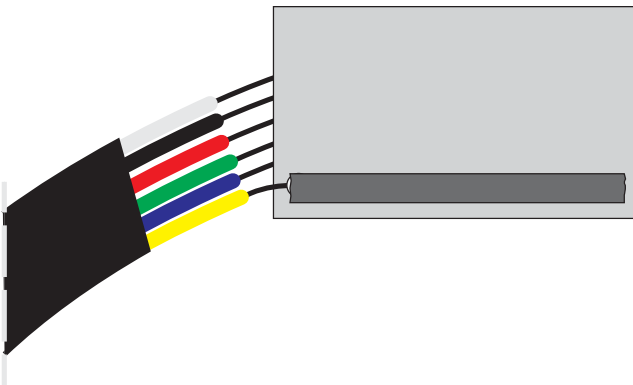
**Step 5:** *Pierce* the **construction paper** with the **brad fastener**.



**Step 6:** With the **brad fastener** head *resting* on top of the **construction paper**, *flip* the **paper** over. *Open up* the **legs** of the **brad fastener**.



**Step 7:** *Flip* **paper** back over. *Place* a **copper tape strip** over the **brad fastener** extending to the end of the **construction paper**.



**Step 8:** *Repeat* steps 4-7 with all the remaining **wires**. *Make sure* no two **wires**, **brads** or **copper tapes** touch.

