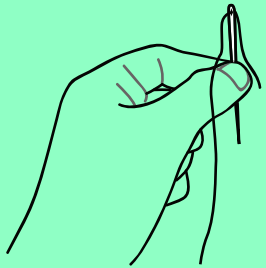


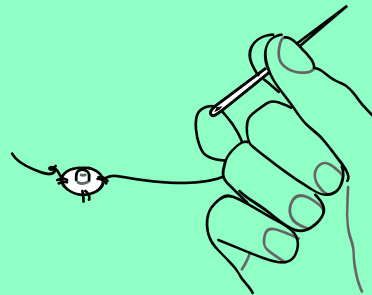
# Sewing

Conductive thread allows us to create circuits on fabric. We'll create a circuit using snaps so that we can easily attach our Gemma and Neo-pixels.

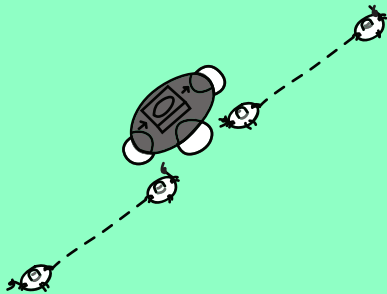
**Alert:** Make sure none of the conductive thread from the different lines are touching when attaching the battery. They can burn the fabric.



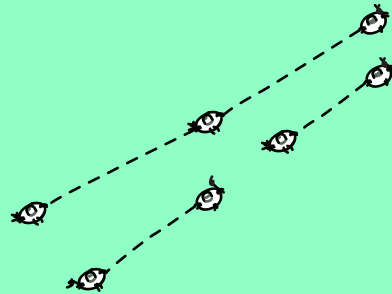
1. Thread the needle, pulling it far enough through to leave some loose thread.



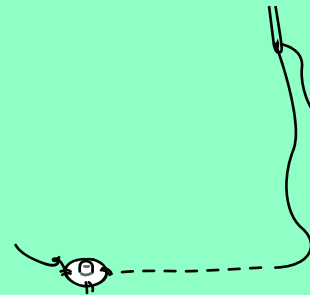
2. Tie a knot in the thread and sew one snap for the Gemma's D01 pin onto the fabric.



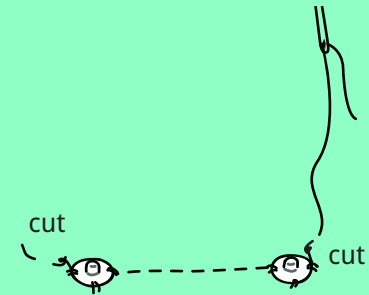
5. Line up the second -> pin on the neo-pixel and repeat steps 2 to 4 for the second board.



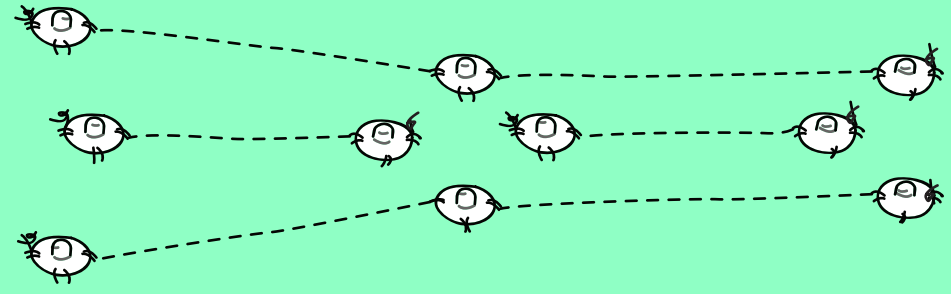
6. Line up the snaps for ground on all three boards and sew a straight line between them.



3. Line up a snap for a neo-pixel -> pin and sew a line going up and under the fabric.



4. Secure the second snap. Tie a knot and cut the thread.



7. Repeat step 6 for the power pad snaps. Look at the diagram to see the finished circuit.

8. Snap on the boards and add the battery to test your circuit.

