

Final Human Sensor Project

Final Human Sensor Video

My project is a plush ladybug meant for my baby sister. The sensors are located at the base of the wings, and the patterns are :

1. Blinking in order
2. Top to bottom blinking
3. All on then all off
4. Random
5. All off

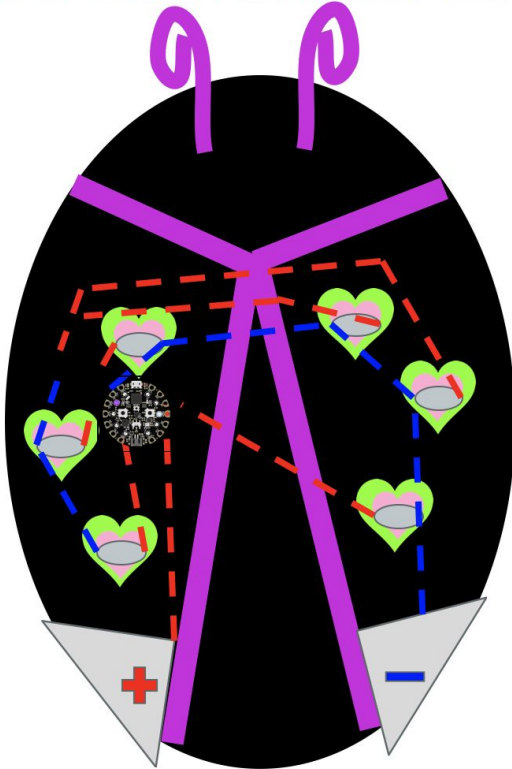


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To use the sensors, you have to plug in a cord connecting the Playground to the Chromebook. Opening Codebender, squeeze the sensors, and based on the sensor value, the different patterns will work. I am very proud of how far I have come proceeding in this E-Textiles unit. I learned how to design and construct my ideas into three dimensional figures. In my initial project, I had no idea how to create my idea, but I came a long way. For future projects, I learned that creating an initial plan is very beneficial to create your design the way that you want it to be.



Final Human Sensor Reflection



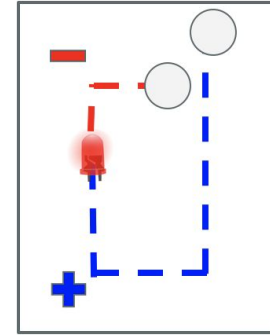
I faced a lot of challenges in order to create and finalize my design. I had difficulty creating a design that would accommodate for the playground being under the flap. There were 6 LED's, all on opposite sides of the ladybug. The Adafruit Playground was located behind one of the wing flaps, so I had to make sure that each LED had a path of it's own. Mr. Chipps helped me with my final design - one that had no crossings and was the most efficient way to design this stuffed



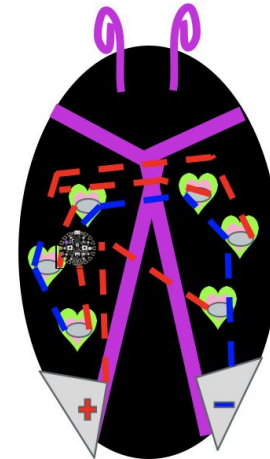
E-Textiles Unit Reflection

I learned that designing and creating an E-Textiles project is very complex and involves knowledge about circuits, sewing, and knowing how to use your imagination. It was very difficult but interesting when I first started the Valentine's LED card, and I am very proud that I was able to get this far. I learned how to code sensors and LED's, basic sewing techniques that I can use for the rest of my life, and ways to create my ideas like I have never done before. Comparing the first and final project, I am very shocked about the amount I learned in such a short amount of time. I am definitely going to apply my knowledge from this unit to my everyday life.

before:



after:



A large red square with a white border, centered on a white background. Inside the square, the text "The End" is written in a large, white, sans-serif font, and "ECS 2017" is written in a smaller, white, sans-serif font below it.

The End

ECS 2017
