

Human Sensor Rubric (100 points total)

Student name: _____

Note: This rubric is simplified for printing & reporting, but please use the full versions above & below to know what each value means, i.e., what 10, 6, 3, and 0 points mean in each category.

CATEGORY		DO YOU HAVE?	POINTS EARNED
DESIGN & CRAFT	Basic Requirements (10 pts)	At least four independently controllable LEDs attached & two conductive patches.	
	Design Notebook (10 pts)	All Design Notebook entries completed.	
	Sewing (15 pts)	<ul style="list-style-type: none"> Electrical components are securely sewn in Stitches are neat, evenly spaced and secure The back of the project is as neat as the front. 	
	Design (15 pts)	The design appears to be purposeful and/or personal. Care has been taken in the look and feel of the project.	
	<i>Comments on design & craft:</i>		
CIRCUITRY	Diagram (15 pts)	<ul style="list-style-type: none"> The diagram is clear, readable, and functional. Someone else could use this to make the design themselves! Circuit Playground pins are clearly labeled and positive and negative pins/lines are distinct on the circuit diagram. 	
	Lights-On (5 pts)	The lights function when a Circuit Playground is powered.	
	<i>Comments on circuitry:</i>		
CODING	Four Lighting Patterns (5 pts)	There are four functional lighting patterns. Each is different in some way.	
	Coding (15 pts)	<ul style="list-style-type: none"> Naming & Setup sections are complete Conditionals are programmed effectively and are functional. 	
	Commented Code (5 pts)	Code is well commented: there are comments on each named variable and each conditions, and there is some description of each lighting pattern.	
	Sensors (5 pts)	Aluminum foil sensors work and detect at least four variable levels of touch. The sensors are programmed to be continuous (or very intentionally non-continuous).	
	<i>Comments on coding:</i>		
EXTRA CREDIT	Use of additional coding elements such as fading, random light patterns, or sound. Additional conditions (i.e., more than 4 lighting patterns or similar outputs) triggered by the sensor. Or some other form of going above and beyond on this project.		

DESIGN & CRAFT:	CIRCUITRY:	CODING:	EXTRA CREDIT:	TOTAL:	/100
-----------------	------------	---------	---------------	--------	------