

Peer Review - Prototype an Innovation



Pre-Review

Creator's Name: Student #1

One thing I want feedback on is... where can I use a for loop in my program?

Reviewer Section

Reviewer's Name: Student #2

Evidence I Found	Type of Evidence	Ideas for More
Says that they want to make a nightlight and what seems to be like a thermometer for this project.	The device description shows what the device does and how it will work, including its main elements. It is clear to the reader how the user would interact with the device.	The description is a little short. Not totally sure what the conditions for it to work are and the drawings could use some labels.
Two functions are seen here with taking in the light value and the temperature	At least two functions with parameters are used as described in the project guide. At least one of these functions is called multiple times in the program with different parameters.	I don't see how these functions are going to be used multiple times. Unless you can call the light methods with different parameters to change how many lights light up.
Uses the sensors to light up the color LEDs and report the temperature on the screen.	Program uses multiple board inputs and outputs, and the purpose of each is described in the program guide. The program is able to send information to and from the board as described in the project guide.	Could change which lights light up depending on how bright it is or even temperature maybe.
Physical part works pretty well. Wires sometimes not attached that well and the foil is not that big	The physical prototype has been created as described in the project guide, and physical connections to the board allow the program to do what it is supposed to.	Use larger chunks of foil and if you can, find better wires to attach to all the components or find a way to keep it attached.
Array is seen and is called multiple times.	At least one array is used in the program, and a for loop iterates over the array, accessing each element.	Instead of making those individual calls you can use a for loop to make all these calls.

Free Response Feedback

I like... the idea that you have! Being able to sense when it is dark and turn on the lights is really cool!

I wish... it used all of the lights. I think it would look so cool if all of the lights would light up.

What if... you used a for loop to be able to easily turn on all the lights and used all the colors in your color array?

Creator's Reflection

1. What piece of feedback was most helpful to you? Why?

I like the idea of using a for loop to turn on more lights. I was really trying to figure out where I could put a for loop to access my array and I think this could do it.

2. What piece of feedback surprised you the most? Why?

I did not realize I had to be able to call a function multiple times. So hearing that was surprising and I need to fix that.

3. Based on feedback, what changes will you make to your innovation?

I am going to add a for loop to access my array so I can add more lights too without putting in more work.