

# Remix Circuits 2 and 3

## Instructions

Each project is worth 20XP.

### 1. BIV - Blue Indigo Violet

a remix of circuit #3.

The loop function should only contain showSpectrum().

Right now showSpectrum ranges from green to blue to purple to red. I want the colors to range between blue and violet and back again. -- so pulse between blue and violet.

### 2. Pot controlled color

a remix of circuits #2 & #3.

I would like the potentiometer to control the color. You can use the circuit #3 function showRGB.

### 3. Pot controlled spectrum speed

a remix of circuits #2 & #3.

I would like the potentiometer to control the speed at which showSpectrum runs through the rainbow. The results of turning the potentiometer need to be visible within 1 second.

### 4. Hacker challenge (worth 40XP)

a remix of problems 2 and 3.

The multicolor LED should be blinking. I would like you to have 2 potentiometers. One controls the color and the other the blinking speed of the LED.