

After completing Level 2, students will be able to:



- Identify the diagram symbols for an RGB LED, a transistor, a photoresistor, and a buzzer.
- Identify the legs of a common cathode RGB LED, specifically the red anode (+), green anode (+), blue anode (+), and the common cathode (-).
- Specify which legs of the RGB LED should be connected to power to light up each color.
- Blend red, green, and blue colors from the RGB LED using POTs to create different colors.
- Recognize different ways to connect a button switch in a circuit so it works.
- Explain what a transistor is and how it works.
- Understand how the amount of light changes the resistance value in a photoresistors.
- Explain how a buzzer works.

