## EL PASO HIGH SCHOOL STEM

## **VeX LAB 3: Flashlight and LED Control**

- 1. Turn on the LED for three (3) seconds;
  - a. Turn off the LED;
  - b. Wait two (2) seconds;
  - c. Flash the LED six times for half (.5) seconds each time with a quarter (.25) second delay before each flash;
  - d. Stop.
- 2. Turn on the flashlight at full brightness for four (4) seconds;
  - a. Turn off the flashlight;
  - b. Wait two (2) seconds;
  - c. Turn on the flashlight at half (.5) brightness.
  - d. Wait three (3) seconds;
  - e. Turn the flashlight off.
- 3. Turn on the flashlight at full brightness for four (4) seconds;
  - a. Turn the flashlight down to half (.5) brightness for three (3) seconds;
  - b. Turn the flashlight down to quarter (.25) brightness for two (2) seconds;
  - c. Turn the flashlight off.
- 4. Turn on the LED and the flashlight for six (6) seconds;
  - a. Turn off the LED;
  - b. Wait three (3) seconds;
  - c. Turn the flashlight off.
- 5. Turn the flashlight on at half (.5) brightness for three (3) seconds;
  - a. Turn the flashlight up full brightness for three (3) seconds;
  - b. Turn the flashlight off.