



**Learning Outcomes:**

- I will demonstrate my ability to work as a member of an electrical engineering project team to develop a working LED flashlight.

**Review of Prior Knowledge:**

- Project expectations

**Introduction to New Material: (I Do)**

- N/A

**Guided Practice: (We Do)**

- Review project expectations and outcomes

**Independent Practice: (You Do)**

- Electrical Engineering Project - Day 4

***Standards/Expectations:***

**1:** The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:

**1b:** show the ability to cooperate, contribute, and collaborate as a member of a group in an effort to achieve a positive collective outcome

**2:** The student investigates the components of engineering and technology systems. The student is expected to:

**2b:** identify the inputs, processes, and outputs associated with technological systems

**2c:** describe the difference between open and closed systems

**2d:** describe how technological systems interact to achieve common goals

**4:** The student uses appropriate tools and demonstrates safe work habits. The student is expected to:

**4g:** demonstrate the use of precision measuring instruments

**6:** The student thinks critically and applies fundamental principles of system modeling and design to multiple design projects. The student is expected to:

**6c:** use problem-solving techniques to develop technological solutions

**6d:** use consistent units for all measurements and computations

**8:** The student understands the opportunities and careers in fields related to electrical and mechanical systems. The student is expected to:

**8a:** describe the applications of electrical and mechanical systems

**8b:** describe career opportunities in electrical and mechanical systems

**8c:** identify emerging trends in electrical and mechanical systems

**8d:** describe and apply basic electronic theory