# Daily Lesson Plan

# Electricity and Electronics

## Unit 8 | Section 1 | Making A Light Blink | Day 1-3

### ITEEA Standards

3-1. The characteristics and scope of technology 3-2. The core concepts of technology 5-8. The attributes of Design 6-11. Apply the design process

### Objectives [SWBATU]

* Classify various electrical components from a schematic in order to complete a circuit in the Classroom
* Indicate particular sets of electrical nodes in order to complete the schematic in the Classroom
* Explain the flow of electricity through the schematic in the classroom in order to diagnose any issues

#### Success Criteria

* A completed circuit with a lit light emitting diode

### Materials

* LED
* Wire
* Breadboard
* Multimeter
* 9v battery
* resistors (various)

### Resources

### Instructional Outline

* Review previous unit for electrical components
* Go over schematic views and following the path or flow of Electricity
* Locate and identify fail points that students should be aware of such as battery configuration and polarity of the LED
* Lastly, go over how the breadboard controls electricity in rows and columns

#### Closure

### Assignment / Activities

|  |  |
| --- | --- |
| Assignment | Points |
| Making a Light Blink | 100 |

### Added Notes