

# LESSON PLAN

Grade: 9-12

Subject: Mat. Science

Date: 10/21/22

Topic: Basic Circuitry

Lesson #

## Lesson Focus and Goals:

- The lesson focuses on the basic principles of circuitry and electric conductivity
- Students are expected to understand the basic flow of electricity, the nature of conductivity, and the terms associated with this phenomenon

## Materials Needed:

White board, Notebook paper

## Learning Objectives:

Students will be able to show their mastery of basic circuitry by designing their own circuit using the three components of a circuit.

## Structure / Activity:

This activity involves a lesson on basic circuitry, including the three primary elements of a circuit: a power source, a wire or conductor, and a switch.

The important terms for this project are current, flow, and conductivity

Students will then design their own circuits using the terms and key elements learned from the lesson.

## Assessment:

The formative assessment requires students to design their own circuits on a sheet of paper.

The circuits must include a definition of current and flow, as well as the three primary parts of the circuit: a power source, a conductor or wire, and a switch.