

LESSON PLAN: Basic Circuitry Thinking Map

Josh Allen¹

¹Affiliation not available

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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, Laptop



Learning Objectives:

Students will be able to show their mastery of basic circuitry by thinking map outlining the similarities and differences between water and electricity.

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 thinking maps outlining the similarities and difference between water and electricity, followed by each table teaching a portion of the lesson.

Assessment:

The formative assessment requires students to design their own thinking maps and define major parts of a circuit.

The thinking maps must include a definition of current and flow, as well as the primary differences and similarities between water and electricity. Define parts of circuit: a power source, a conductor or wire, and a switch.