

# Squishy Circuit Lesson Plan:

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## Materials:

1. Salt and sugar dough
2. LEDs
3. Wires
4. Battery
5. Solar Panel
6. Buzzer
7. Squishy Circuit Board Game
8. Voltage Multi-meter

## Key Concept:

- ❖ How the electricity circuit works with dough
- ❖ Using the board game to have a better understanding

## Lesson:

### Introduction:

- a. Pass around the Squishy circuit worksheet
- b. Make sure to explain “What is Squishy Circuit?”
- c. Have a squishy circuit set up for an example
- d. Explain the materials and pass them around

### Board game:

- a. Make sure the board game is complete
- b. Explain the board game
- c. Make sure each individual understands the game

### Squishy Circuit:

- a. Use the solar panel
- b. They will find out whether the sugar or salt dough works
- c. Use the voltage meter (set it to 20)

### Wrap-up:

- a. Once the game is done the kids are allowed to keep their dough
- b. Discuss the difference between sugar and salt
- c. Explain why the salt dough worked and not the sugar dough
- d. Explain the similarities between a circuit and squishy circuit using the rubric on the board game
- e. Pass out the stickers

Clean Up:

- a. Have the dough sealed in a bag or container
- b. Make sure the board game is complete
- c. Collect all materials