

### Squishy Circuit Challenge 1: Simple circuit

Using **all** the materials in the Materials List light an LED

Materials List:

- 9v battery
- Conductive dough
- 1 LED

I have completed the challenge

Name: \_\_\_\_\_

### Squishy Circuit Challenge 2: Simple circuit

Using **all** the materials in the Materials List light an LED

Materials List:

- 9v battery
- Conductive dough
- Insulating dough
- 1 LED

I have completed the challenge

Name: \_\_\_\_\_

### Squishy Circuit Challenge 3: Series circuit

Using **all** the materials provided create a circuit with **3** LEDs. When one LED is removed all the lights must go out.

Materials list:

- 9v battery
- Conductive dough
- 3 LEDs

I have completed the challenge

Name: \_\_\_\_\_

### Squishy Circuit Challenge 4: Series circuit

Using **all** the materials provided create a circuit with **3** LEDs. When one LED is removed all the lights go out.

Materials list:

- 9v battery
- Conductive dough
- Insulating dough
- 3 LEDs

I have completed the challenge

Name: \_\_\_\_\_

### Squishy Circuit Challenge 5: Parallel Circuit

Using the materials provided create a parallel circuit with as many LEDs as you can. Removal of LED should NOT cause others to go out.

Materials list:

- 9v battery
- Conductive dough
- 10 LEDs (do not have to use all)

I have completed the challenge

Name: \_\_\_\_\_

### Squishy Circuit Challenge 7: Doughnut



Using the materials list create a doughnut parallel circuit

Materials List:

- 9v battery
- Insulating dough
- Conductive dough
- 5 LEDs (similar Voltage)

I have completed the challenge

Name: \_\_\_\_\_

### Squishy Circuit Challenge 8: Make something all your own

Make an animal

Add a buzzer

Add a motor

Still need ideas? Look at the idea sheet.

## SQUISHY CIRCUITS IDEAS

