

PARTS IN PLACE



STUDENT WORKBOOK



ACTIVITY
1

ELECTRIC DOUGH

Modeling dough doesn't just make fun shapes. What else can it do? Find out in this activity!

- WHAT YOU NEED:**
- Battery
 - Battery cap
 - LED bulb, yellow
 - Modeling clay
 - Modeling dough

WARNING: **CHOKING HAZARD** - Small parts.
Not for children under 3 years.



WARNING: **DO NOT EAT OR DRINK** anything in this kit.



WARNING: **Batteries can be dangerous.** Store away from metal objects. Only use with adult supervision.



WHAT TO DO:

STEP 1 Take the modeling dough out of its container.



STEP 2

Tear the dough in half and roll each half into a ball.

STEP 3 Attach the battery cap to the battery.



THINK ABOUT IT!



1. What are the functions of the structures in the pictures?

a. House

b. Food truck

c. Smartphone

d. Tree trunk

e. Cat legs

f. River



2. How does the structure of a food truck help it to perform its function?



3. What would happen to a smartphone's ability to function if its structure was damaged by having a cracked screen?



4. What do you think the structure of something would be like if its function is to carry sand for long distances? Draw it or write about it.

BUILD A BRIDGE

Use your ideas about small pieces making big structures to make a bridge with a light. Which materials will you use? What properties should they have?

LEARNING GOALS:

- ✓ I can describe and classify materials using their properties.
- ✓ I can test materials to find out which ones have properties that are best for a certain purpose.
- ✓ I can use evidence to show that an object made of small pieces can be taken apart and made into a new object.

9

MAKE CONNECTIONS

- ? Imagine you have to make a bridge for the toy car you made in Activity 2. What kind of properties should the bridge have?
- ? What if the bridge needs to have a light on it (like a streetlight)? What kind of properties would certain parts of the bridge need to have?

WHAT YOU NEED: FROM THE KIT:

- Battery
- Battery cap
- Chenille stems
- LED bulb (yellow or white)
- Modeling clay
- Modeling dough
- Straws



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Kit	SU-PARTIN
Instructions	IN-PARTINS
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