



Roseville Utility Exploration Center

# EXPLORE IT!

BIG  
TRUCKS  
SUMMER

## Build and Blast FOG Clog

Fats, oils and grease (FOG) make big clogs in our sewer. Making your own clog can be fun... just keep it out of your pipes! Once you've made your clog, try using different tools to unclog it just like our wastewater workers do. Share your activity on social media using the hashtag #BIGTRUCKSSUMMER2020.

### Materials List

1. 2 cups all-purpose flour
2. 3/4 cup salt
3. 4 teaspoons cream of tartar
4. 2 cups lukewarm water
5. 2 tablespoons vegetable or coconut oil
6. Sealable bags
7. Food coloring, optional
8. Clog removers like sticks, spoons or pencils
9. Empty toilet paper or paper towel roll



Vector trucks help our **Wastewater Utility** unclog sewer lines by using a powerful water line and a vacuum hose to clear blockages.

### Instructions

1. Stir together the flour, salt and cream of tartar in a large pot.
2. Add the water and oil. If you're only making one color, add in the color now. If adding more than one color, see step 5.
3. Cook over medium heat, stirring constantly until dough has thickened and forms a ball.
4. Remove from heat and place inside a gallon-sized bag. Allow to cool slightly. Do not close bag until cooled.
5. If you're adding more than one color, divide the dough into balls (for how many colors you want) and add the dough into quart-sized bags. Start with about 5 drops of color and add more to brighten it.

See other side



# Build and Blast FOG Clog



## Instructions *continued*

6. Knead until smooth. Knead the dough while inside the bag so it doesn't stain your hands.
7. Once it's all mixed together (about 5 min), you are ready to play. Store the dough inside the bags once done to keep soft. Keeps for up to 3 months.

## Try this activity

Using a toilet paper or paper towel tube, insert a clog of dough in one end and center in the tube. Now use a handful of "tools" (sticks from the yard, straws, spoon) to remove the clog safely.



### Table Talk

1. Can you design a tool that could clean out sewer clogs?
2. How do you think wastewater workers find clogs in the sewer?