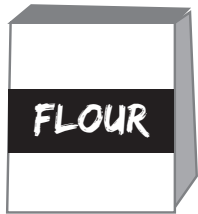


CONDUCTIVE PLAY DOUGH

STEM@HALLOWEEN

You will need:



180G FLOUR



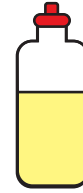
240ML WATER



50G SALT



3 TBSP OF CREAM OF TARTAR OR LEMON JUICE



1 TABLESPOON VEGETABLE OIL



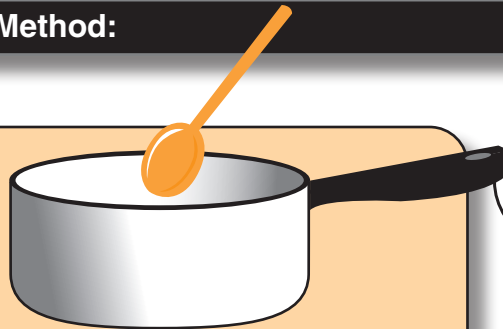
OPTIONAL FOOD COLOURING

Create the dough in Halloween colours!!

This project is part 1 of 3 worksheets exploring circuits and electrical conductivity. You can work through all 3 or just use this one to make some cool play dough and get creative instead!!

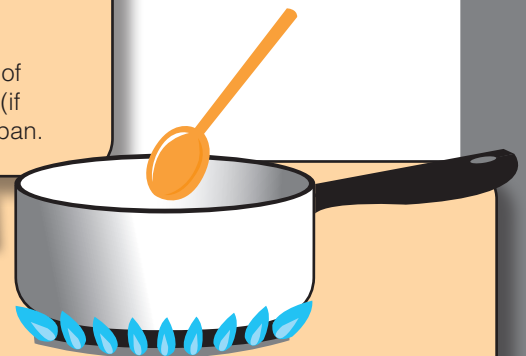
ADULT SUPERVISION RECOMMENDED FOR THIS PROJECT

Method:



Step 1: Mix the water, flour, salt, cream of tartar, vegetable oil and food colouring (if using) together in a medium-sized saucepan.

Hint: a non stick pan works best



Step 2: Cook over a medium heat, stirring continuously. The mixture will thicken, and lumps will begin to form.



Step 3: Continue heating and stirring until the mixture forms a ball and pulls away cleanly from the sides of the saucepan.



Step 4: Turn the dough out on to a floured surface. Use caution, as it is very hot at this point. Allow the dough to cool for a few minutes before kneading the flour into it until the desired consistency is reached.

Storage:

keep the dough in a sealed container or bag for several weeks. For longer periods the dough can also be frozen.

While in storage, water from the dough may create condensation inside the container; this is normal. Knead the dough after removing it from the storage container to refresh its pliability.

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Conductors allow electricity to pass through them. In this recipe, the salt and water allow electricity to flow and bring your squishy circuit creations to life.

