

Class 24, Monday, 8/24/2010

Children are asked to make a model volcano as their homework. I ask them to bring the ingredients home school with the model so that we can erupt them in school next week.

Step 1:

Get 2 cups of flour, 2 cups of salt, 4 tbsp. of cooking oil, and 2 cups of water. Mix water and salt together until it forms a runny white liquid. Pour this into a bowl to set it to the side of your kitchen.

Step 2:

Place a plastic bottle on a large plate of your choice.

Step 3:

Put paper of newspaper into 1-inch wide strips with the length being equal to the bottle height and the width being as you see fit. Roll strips into the first paper cylinder. Repeat the process to make a total number of 4 cylinders. Place 1 cylinder inside of each other inside.

Step 4:

Use glue to stick around paper around bottle until you completely fill around the bottle and the top of the bottle. Be careful to plug the top of the bottle so you don't leak. The structure will dry for 24 hours.

Step 5:

Paint the volcano when it is dry and you're done the work to make it look like a volcano. I do this.

Step 6:

Place in a shallow metal container to hold the lava when it is done. Mix 1/2 cup of water in water. Add food coloring to make it look like lava. Add 1 cup of paper strips to the mixture.

Step 7:

Bring 2 cups of boiling water to a boil and drop into the bottle.

Step 8:

Put the lava mixture into the bottle. Add the paper strips that you put in. Watch the eruption and make sure you don't burn the top of the mountain.