

### Dough

#### Supply List

Paper towels

Bowl

Spoon

1 cup of flower

½ cup salt

½ cup water

*Washable Paint / Food coloring (optional)*



#### Steps

1. Grab your bowl, add 1 cup of flower.
2. To the same bowl, add ½ cup of salt.
3. Next we are going to get ½ cup of water and our spoon and slowly mix in the water until you get a dough consistency. Now you can start kneeding the dough, and it should be ready! If your dough is too dry just add a little water, and if it is too wet, add more flower! Let us know when your play dough is ready by typing READY in the comments. I will go over those steps one more time for you girls...

If you wanted to add some color to your dough, washable paint works best because it will not stain, but food coloring also works.

If you plan on keeping this, put it in a plastic bag in your fridge, it lasts for a week because we did use food ingredients, but if you want to keep anything that you make, you can bake your play dough!

#### TO BAKE YOUR DOUGH:

Bake the dough at 200°F until hard. The amount of time depends on size and thickness.

Thin pieces might take 45-60 minutes, thicker pieces might take 2-3 hours. Check on your

pieces in the oven every 1/2 hour or so until they are hard. To make your dough harden faster, bake at 350°F, but keep an eye on it because it might turn brown.

### Volcano Experiment

#### Supply List

Baking tray – to hold the volcano

Paper towels

Play dough / dough from earlier

Plastic cup

Water

4-6 Tbs of baking soda

1 tsp of dish soap

Washable Paint or food coloring

Vinegar to

Measuring cup (1 cup)



#### Steps:

1. Fill the plastic cup about 2/3 the way with water.
2. Next, add 4-6 Tablespoons of baking soda to the cup of water.
3. Now we are going to add 1 teaspoon of dish soap, and washable paint or food coloring are optional if you have it. By using washable paint, you don't have to worry about any staining anything, but food coloring does also work.
4. Now we are going to build the base of the volcano, the cup will go in the middle and you should be able to mold a volcano around it using the play dough we made, or if you're outside go ahead and build your rock, dirt, or sand volcano around the cup.
5. Alright this is the last step... are you girls ready to see your volcanos erupt?! Make sure you have some paper towels nearby, and pour out 1 cup of vinegar in your measuring cup.

6. For the last step, we are going to pour our vinegar in together, remember to make sure your computer is far enough away from your volcano and let's all pour it in!

Awesome! You can keep pouring in vinegar until the reaction stops, and if you wanted to keep repeating it you can just add in more baking soda! How did your volcano turn out? Did you girls have colored lava? Or a colored volcano?

So How Does It Work?

The lava is the result of a chemical reaction between the baking soda and vinegar. The baking soda is a base while the vinegar is an acid. When these two react together, they form carbonic acid which is very unstable, it instantly breaks apart into water and carbon dioxide. In this reaction, the carbon dioxide gas is produced, and pressure builds up inside the plastic cup until the gas bubbles flow upward, and erupt out of the volcano.

### Lei Necklace

**PRINT OUT:** [http://creatingcreatives.com/wp-content/uploads/2017/07/Gift\\_of\\_Aloha\\_Lei\\_Template.pdf](http://creatingcreatives.com/wp-content/uploads/2017/07/Gift_of_Aloha_Lei_Template.pdf)

### Supply List

Print out sheet (or paper)

Scissors

Glue stick (or tape)

Colored construction paper (or printer paper + crayons to color)

Pencil (or pen)

String (thin works well, sewing thread might work)



### Steps

1. Print out your Lei template, if you don't have that, grab a pencil and some paper, because we are going to draw our flowers and leaves!

## Volcano and Leis Step by Step and Supply List

2. Cut out the flowers from the template.

3. Grab your construction paper, or you can use crayons or colored pencils to color some printer paper, and we are going to cut our paper into six sections, just big enough to cover a flower. Draw a line down the middle of your paper with your pencil, so from top to bottom

Then draw 2 more lines going left to right, you should get 6 boxes like this... its ok if they aren't the same size, just make sure your flowers fit in the box!

4. Now we are going to take one of our flowers that we cut out, and one of our rectangles that we just cut out, put your flower on top, and then start cutting out the flower in the construction paper like this....

Remember that flowers are all different shapes and sizes, so there really isn't a way to make a mistake, if you want to shape them a little differently to give them some character, go for it!

Now we'll go over that again, we are going to be cutting out a lot of flowers, so a way to make it faster is putting more than one piece of construction paper behind the flower.

5. Now that you girls have had some time to cut those flowers out, were going to keep repeating those steps to make a total of 30 flowers! If you want to have a full lei you might want to make more, and if you want a less full lei you can do less!

Now grab 4 more pieces of construction paper, and we are going to do the same thing with those, so we are going to draw a line down the middle... then draw two going left to right, so you have a total of 6 boxes.

Take some time now to make 6 boxes on all of your sheets of paper, and you can cut the rectangles when you are ready.

We are going to keep cutting out our flowers.

6. Now that we have a bunch of flowers, don't worry if yours aren't all done you can always finish up after, but I do want to show everyone our next step...



## Volcano and Leis Step by Step and Supply List

We are going to take a pencil and use the pencil to curl the petals of our flowers like this... so we are just wrapping the construction paper around the ends of our petals to make them look more real! If you want to get extra creative you can color the

7. Next we are going to get our print out sheet and cut out the 3 leaves, mine look like large rain drops, but of course shape them however you like!

Once we have at least one sample leaf cut out, let's grab our construction paper, I'm going to use green but feel free to use any color!

We will repeat these steps again, and make a total of about 6 leaves...

8. Next we are going to glue the individual flowers together, we are going to glue one of the petals on to each other, ill show you how now

Press the flower together for a few seconds to allow the glue to stick and not come apart.

9. Measure about 3-4 feet of string, feel free to measure it around you to see how long you would like it and then add an extra foot for tying knots and tying the lie together.

10. Tie a knot about 6-12 inches from one end, we want enough space to tie the lei once it is finished!

11. Next we can arrange our flowers and leaves in the order and roughly the size you want your lei to be. This is how you will find out if you need to make more flowers!

12. Once you are happy with how it looks, thread your yarn or thread through the center of the flower, if you need to poke a small hole in the center of your flower with a pencil, go for it! Now you can put them on the string in the order you placed them, tie a knot after each flower. Then leave some space between your flowers for the next one, when you want to add a leaf, poke a hole in the wide side of the leaf, you can add a flower, then a leaf, then make a knot!

Keep repeating this until you have a full lei necklace!

13. Now to finish our necklace we are going to tie a knot after the last flower on this side, and you can make sure its long enough for you and tie the ends together with a knot!