

# FAMILY STEAM PROJECT

April 30, 2020



Design and Activate Your Own Volcano

# Family STEAM Challenges

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For your next STEAM challenge, you will build a volcano.

The lists of materials are optional; use any materials that you have at your house (inside or outside), as long as your parents say it's okay.

Scan the QR codes to learn more about volcanoes and find resources to help you develop your idea!

Email your STELLAR teacher with your final product - we can't wait to see what you come up with!

\*Don't forget you can email us with any questions you have along the way!

# What can I use to build my volcano?

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Start with a small cup or water bottle to use as the base and find something to build around it.

You can use Legos, sticks, pebbles, toothpicks, tape, fabric, string, dirt, playdough, or any kind of craft materials you have at home.

Here is a link to the playdough recipe we used because we could not find any around our house: <http://viewpure.com/oAIAm6BF0fs?ref=search>

Be creative and have fun!!

# How do I activate my volcano?

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**Ask an adult to help you gather these materials and complete this part of the project.**

## Ingredients:

- Baking Soda (1-2 spoonfuls - the larger the cup, the more you will need)
- Dish Soap (just a few drops)
- White vinegar
- Food coloring/washable paint (optional)

## Directions:

- Place baking soda on bottom of cup in the center of the volcano
- Pour a few drops of dish soap on top of the baking soda
- Add food coloring if you have some
- Pour the vinegar into the cup

# Examples and Resources

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Outdoor Inspirations



STEM Explorers  
Volcano Science

## **Send us Pictures!**

**Your STELLAR teachers want to see your pictures! Please email pictures of your volcano to your STELLAR teacher - they will be featured in a STEAM slideshow on your schools home website!!**

| <b>School</b> | <b>STELLAR Teacher</b> | <b>Email Address</b>        |
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