

Lemon Volcano

STREAM activities encourage a curious, critical thinking mind.

Try this easy to follow kitchen experiment to learn about chemistry!

Materials Needed:

Lemons

Baking Soda

Food Colouring

Dish Soap

Craft Stick



Directions: Place half of a lemon into a bowl or plate that will catch the mess when the volcano erupts. Take your craft stick and poke holes in the various sections of the lemon to help with the reaction process. Place drops of food colouring around the different sections on the top of the lemon alternating with different colours to give a fun effect. Pour some dish soap all over the top of the lemon and sprinkle a generous amount of baking soda to the mixture. Encourage your child to use a craft stick to press some of the baking soda down into the different sections of the lemon to get the eruption going and squeeze the other lemon juice onto the mixture.

Learning Extensions:

What does the soap do to the mixture?

What is making the chemical reaction?

What other citrus fruits can you use to create a different volcano?

