



# Kids Science PUMPKIN DAY VOLCANO

Fall is in the air, so thoughts naturally gravitate towards pumpkins. October 26th is National Pumpkin Day; we have a fun activity that you can do with your little one.

## Materials Needed:

- A small pumpkin
- 1 cup of vinegar
- 1 tsp of liquid dish soap
- Food coloring
- 4-6 Tbsp of baking soda
- Tray or baking tray

## Instructions:

- 1) Cut off the top of the pumpkin and hollow out the inside of the pumpkin.
- 2) Place the pumpkin on the tray.
- 3) Pour water inside of the pumpkin. Fill it about 2/3 full.
- 4) Add baking soda, dish soap, and food coloring.
- 5) Stir the ingredients well.
- 6) Add the vinegar until the volcano starts foaming, pouring its lava onto the pumpkin.

### Ask:

What do you think will happen when you add the vinegar to the pumpkin?

### Discuss the reaction:

The "lava" bubbles that erupt are filled with carbon dioxide. The carbon dioxide is a gas that forms when an acid — the vinegar — reacts with a base — the baking soda.

