



Color Explosions

Brought to you by:

Nantucket Community School

For a demonstration on how to use this kit, click or copy the following link

<https://youtu.be/IEVzH-b6mnY>



Discover what happens when you mix baking soda and vinegar in this colorful science experiment!

What you'll need:

- Paper plate
- Baking soda
- Vinegar
- Kool-aid of different colors
- Pipette or straw
- Cookie sheet or large plate

Instructions:

Begin by dumping the baking soda onto your paper plate and distributing evenly, you may want to put your paper plate on a cookie sheet to contain the mess. Next, pour some vinegar into each container of Kool-aid and gently stir. Then, take your pipette or straw and pick up some of the colored vinegar and drop it onto the paper plate with baking soda. See what happens! (Parents; we would love for you to take video or photographs as your child experiments!)

What's going on here?

While doing this science activity with your kids it's a great time to talk about chemical reactions! When baking soda (an acid) and vinegar (a base) mix they create a chemical reaction that produces a carbon dioxide gas, the same thing that we breathe out! This chemical reaction is what causes the fizzing when you drop the vinegar onto the baking soda. The bubbles you see are filled with carbon dioxide gas. Also, using pipette or manipulating the straw to pick up the vinegar is great for helping to develop fine-motor skills, pencil grasp and coordination (all great skills they will need in school.)

Questions you can ask your child:



What do you think will happen when we drop the vinegar onto the baking soda?



What colors do you think certain combinations will make?



How does the vinegar smell? Do you like that smell?

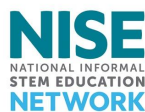


What can you hear?

Scan this QR code and fill out a quick questionnaire to be entered to win a prize for participating in the Nantucket Science Festival 2021

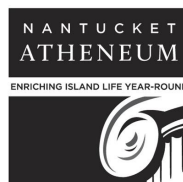
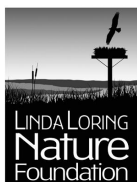


Lead Sponsors



Dr. David & Beverly Barlow

Community Activity Partners



Supporting Business and Organizations: Donated Materials & Prize Give-a-Ways

Stop & Shop
Dan's Pharmacy
Espresso-to-Go
Keeper's Restaurant

Born & Bread Nantucket
Marine Home Center
The Sunken Ship
Create

Nantucket Cottage Hospital
Siam To Go
Linda Loring Nature Foundation
Maria Mitchell Association

Nantucket Community School
Island Kitchen
Paula and Schuyler Henderson