



Kidzu is bringing Messy Morning to you!

### **Fun with Baking Soda & Vinegar**

Have baking soda? Have vinegar? Then you have the makings of some super fun (and “messy” but clean at the same time) STEM boredom busters!

#### **Materials vary by activity but may include:**

Baking Soda  
Vinegar – preferably distilled white vinegar  
Toy cars or dolls or.... Get creative  
Small sponges  
Washable paint  
Liquid food color  
Large tubs  
Medicine dropper

#### **1 – Exploding Car Wash**

Take a large tub outside. Fill it with cars or “dirty” toy of choice. Pile on some baking soda (don’t be shy). Let the kiddos have a little fun just playing and exploring with the toys in the powder. No need to rush. When ready, pour in the vinegar and watch it fizz, bubble & “explode”. Now offer the sponges and have some good clean fun. When done, remove and rinse the now sparkly clean toys and pour the remaining mixture down the sink for a disinfected and clean drain/disposal. Win-win!

#### **2 – Fizzy Paint**

Add baking soda to washable paint. Stir. Paint on paper as desired. Drop vinegar onto wet paint and watch it fizz and bubble. Repeat.

#### **3 – Technicolor Lava**

Drop small puddles of food coloring into bottom of tub. Shake baking soda over puddles to cover. Fill a cup with vinegar and use droppers to drop the vinegar over baking soda. Watch the colors erupt from the bottom.

#### **4 – Treasure Rocks**

Mix baking soda with water by SLOWLY adding water until mixture is moldable. Add food color and glitter is desired and mold into a rock shape around a small trinket of your choice. Leave to “cure” or harden for 24 hours. At this point, you can add to the fun by hiding the rocks for a real treasure hunt. Once found, put rocks in a tray and use droppers and/or a spray bottle filled with vinegar to release the treasure inside.

*Adapted from <https://www.growingajeweledrose.com/2013/01/magic-treasure-rocks.html>  
<https://kidsactivitiesblog.com/5519/baking-soda-and-vinegar-reactions>  
<https://www.whatdowedoallday.com/exploding-toy-car-wash-activity/>  
<https://onelittleproject.com/fizzy-paintings/>*