

I Didn't Know That!

Ok, so what exactly are Baby Soda Bottles™? To begin with, Baby Soda Bottles are large, clear, and plastic. No matter the age of your scientist-wannabees, these gizmos are basically indestructible. Baby Soda Bottles are ideal for anklebiters who love anything that even looks "sciencey" while at the same time offering the too-cool middle school crowd something that's safe to handle in the klutzy stages of life. They can be washed over and over and can withstand freezer temperatures, too. You can put hot materials in them, if necessary, but they don't insulate worth a darn and heating them beyond 200°F will melt them. (So, no heating with flames!) The best feature of the Baby Soda Bottles is the threaded top. Take a close look at the caps in this kit and, when you realize what they fit, feel free to say, "I didn't know that!"

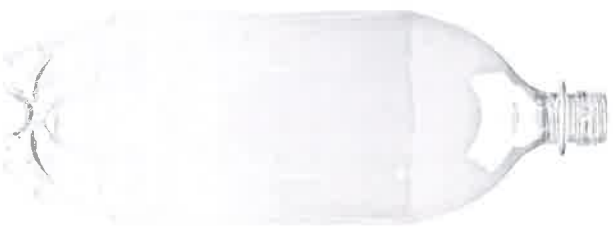


Give up? Drum roll, please... Baby Soda Bottles are really "baby" soda bottles! They're actually 2-liter bottles as they appear before being blown up into big bottles. The tube is placed into a vacuum mold and heated. Then, very hot air is blown into it, stretching the plastic like a balloon so it fills the inside of the mold. The tube grows to about 40 times its original size. When the plastic cools, the mold is opened and the bottle falls out ready to be filled with a delightfully refreshing liquid... or whatever.

Steve Spangler popularized the idea of using these mini soda bottles as the "World's Greatest Test Tubes for Kids" with the introduction of his line of science discovery kits for young children. Now these amazing test tubes are available in bulk quantities for science enthusiasts like you.

Need More Baby Soda Bottles?

So, now you're hooked! There's only a couple thousand more uses for Baby Soda Bottles waiting to be discovered by someone like you. Order more Baby Soda Bottles by contacting a customer service representative at the address below or you can find out more information online at www.SteveSpanglerScience.com.



Baby Soda Bottles™

Amazing Test Tubes for Kids!



Science Activity Guide

15 Hands-on Science Ideas Included



Steve Spangler Science
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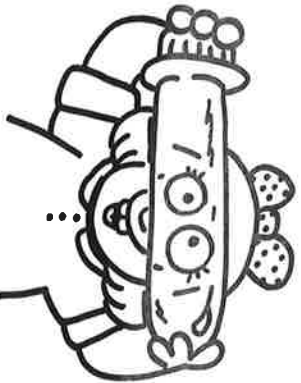
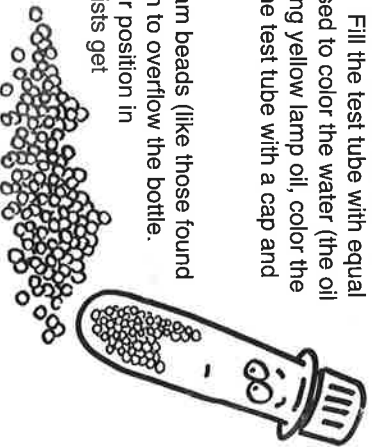
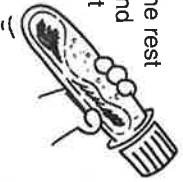
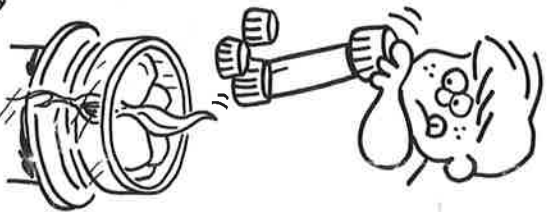


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TEST TUBE SCIENCE ACTIVITY GUIDE

1. **A Discovery Tube** - Use the test tube to collect all sorts of goodies on your next nature walk. Use the test tubes to collect dirt samples, leaves, or good 'ol bugs! You can also use the test tubes to collect samples of water from ponds and streams to study later using a magnifying glass or microscope.
2. **Soda Cap Test Tube Holder** - The picture on the front cover says it all. Push the rounded end of the tube down into one of the brand new soda bottle caps included in this kit to make a test tube holder. This does not work if the plastic ring has been removed from the soda bottle cap.
3. **Roots with a View** - Grow simple green plants in the tube and watch the sprouting process. Learn about plant growth and needs by placing loosely packed soil or growing medium in the tube along with a few radish, pea or bean seeds. Over the course of a few days, watch how the plants grow and how the roots spread out for water and nutrients.
4. **Wave Bottle** - Fill the test tube 3/4-full with vegetable oil. Fill the rest of the bottle with water and add a few drops of food coloring and seal with the cap. Notice how the dye colors the water and not the oil. Tip the bottle back and forth to create waves of fun.
5. **Time Capsule** - Use the test tube to hide and protect a secret message or as a way to store information that will be opened some time in the future.
6. **Color Shake-up** - This activity requires a small amount of colored lamp oil. Be careful not to get the lamp oil near any open flames. Fill the test tube with equal parts of lamp oil and water. Food coloring can be used to color the water (the oil cannot be colored with food coloring). If you are using yellow lamp oil, color the water with a few drops of blue food coloring. Seal the test tube with a cap and shake up the liquids. Yellow and blue makes green.
7. **Dancing Beads** - Fill the bottle half-full with small foam beads (like those found in bean bag chairs). Add water until the beads begin to overflow the bottle. Seal with a cap and watch the foam beads jockey for position in the bottle. This is an easy way to help young scientists get a better grip on the concept of density.
8. **Magnifying Glass** - Fill the test tube to the very top with water and seal it with a cap. Hold the test tube up against newspaper print to magnify the letters. The water magnifies the message.
9. **Show and Tell** - Invite your young scientists to bring their own test tube inventions to class. You'll be amazed by their incredible creativity!



10. **The Erupting, Bubbling Blob** - Fill the test tube 3/4-full with cooking oil (ordinary vegetable oil works well). Add one cap full of water to the oil in the test tube. Notice how the oil and water do not mix. Drop one or two drops of food coloring into the test tube, but do not seal the tube with a cap just yet. Notice how the dye colors only the water and not the oil. Divide an Alka-Seltzer tablet into quarters and drop one section into the tube. Watch what happens to the bubbling water on the bottom of the tube. After the lava blobs have stopped bubbling, fill the rest of the tube with oil until it's almost overflowing. Cap the tube tightly. Tip the test tube back and forth and watch what happens. The tiny droplets of liquid join together to make one big lava-like blob!
11. **Glitter Wand** - Fill the test tube 3/4-full with cooking oil and add an assortment of heavy colored beads, glitter, and Mylar confetti. Top the tube off with cooking oil and seal with a cap. Tip the tube back and forth to make your oil concoction move and sparkle.
12. **Color Mixing with Your Eyes** - Fill three test tubes almost to the top with water. Add two drops of blue food coloring to one test tube and seal it with a cap. Do the same thing with the other two using yellow and red food coloring. Hold each test tube up to your eyes near a light to observe the color. Now, cross the yellow and blue tubes in front of your eyes, looking through both of them at the same time. What color do you see? Green! Cross the red and blue tubes in a similar fashion to make purple. What color does red and yellow make?
13. **Test Tube Twist** - Stretch a rubber band around all three test tubes that you made in the previous experiment. Hold the tube trio up to your eyes and look at the light. What colors do you see? Now, slowly twist the test tubes and watch the colors change before your eyes. Cool!
14. **Make Your Own Twister** - Fill the test tube 3/4-full with water and add a few drops of liquid soap. Seal the bottle with a cap and start twisting. The swirling motion of the soap and water will make a twisting, turning vortex. It's your very own pet tornado!
15. **Pop Goes the Weasel** - Find a cork that fits snugly into the opening of the test tube. Fill the bottle half-full with water. Divide an Alka-Seltzer tablet into quarters and drop one section into the tube. Quickly seal the test tube with the cork and point the corked end away from anything living. Pow! The cork goes sailing.

