How to Make Bubbles

Pre-K Science Home Learning

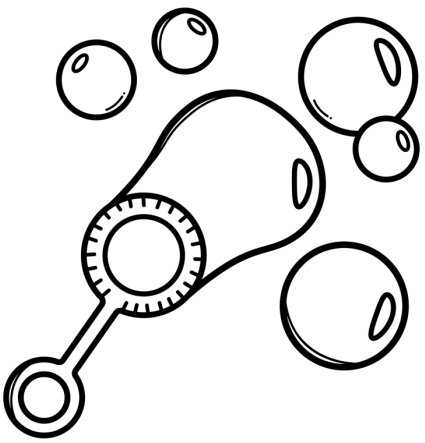
Make your own cup of bubble solution while your child watches to show them exactly what to do. Talk to them about carefully pouring each liquid into the spoon or measuring cup, trying not to spill.

Pour liquid dish soap into a spoon, then pour it from the spoon into the cup.

Materials Needed:

Liquid dish soap
Spoon
Cup
Measuring cups
Water
Rigatoni and/or pipe Cleaners

Measure ¼ cup of water and pour it into the cup. Then, stir the mixture together. Tip: If you have a plastic cup with measuring lines on it, fill it with ¼ cup of water and have your child pour it into the bubble cup.



Make a bubble wand by bending a pipe cleaner into a bubble wand shape (with a circle on the end). You can also try blowing bubbles through a piece of dry rigatoni or other things you find at home.

Head outside to test your bubble solution!

Copyright © PreKinders.com

Float & Sink

Pre-K Science Home Learning

Try this outdoor learning activity to help your child explore and discover which things float or sink. By freely exploring with materials, children learn the scientific process. They form their own questions about why something happens, and test out their own theories.

Materials Needed:

Small "tub" (plastic shoebox will work)
Small items that will float
Small items that will sink
Towel

Fill a small "tub" (such as a plastic shoe box) with water. Gather float and sink items, and tell your child they are going to test several things to see if they will float or sink.

Pick up a bottle cap, and ask your child to make a prediction whether they think the cap will float or sink. Ask your child to place the bottle cap in the water to see what happens.

Have children test each of the items in the same manner, making a prediction first, then testing them. Do not give them all the items at once; instead, give your child an object one at a time, randomly.

Here are some objects you can test:

- Apple
- Coin
- Crayon
- Key
- Leaf
- Pencil
- Plastic bottle
- Ball
- Spoon
- Wood block
- Rock
- Marble
- Feather
- Bottle cap

Copyright © PreKinders.com

How to Make Glue

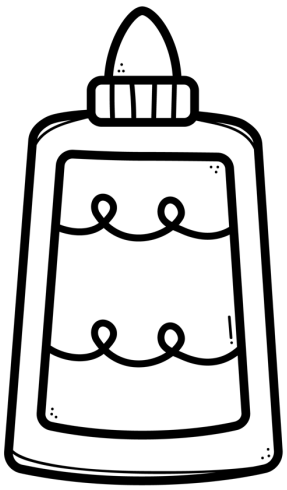
Pre-K Science Home Learning

Gather 3 small cups. Place a small amount of water a cup, place a small amount of salt in a cup, and place a small amount of flour in a cup. (You want approximately equal amounts of each substance.) Place a Q-tip in all 3 cups. Keep a pitcher of water nearby (a plastic measuring cup with water works well).

Materials Needed:

Water
Small cups (3)
Medicine droppers
Flour
Salt
Q-tips
Pictures cut from a magazine
Piece of paper

Cut out three magazine pictures in advance.
Ask your child to predict whether they think the water will stick paper. Then have your child spread water on the back of one of the magazine pictures with the Q-tip, and stick it to a piece of paper. Write "water" below that picture. Have the children hold their paper up and see if the paper falls off or sticks. (It might stick initially, but later as the water dries, it will come off.) Doing this establishes that the water by itself does not work as a glue.



Have your child pour water from the first cup into the cup of salt and stir with the Q-tip until it dissolves. Make predictions first, then spread the salt/water mixture onto a second magazine cutout and stick it the same piece of paper. Write "salt + water" below that picture.

Copyright © PreKinders.com

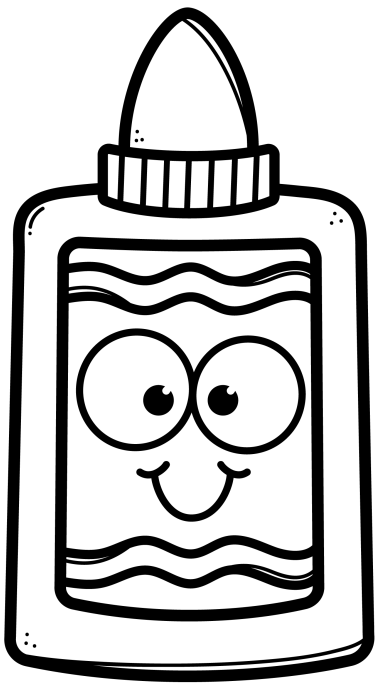
How to Make Glue

Pre-K Science Home Learning

Refill the water cup with water (you want the water and flour to be equal amounts).

Have your child pour the water from the cup into the cup of flour and stir with the Q-tip until it dissolves. Make predictions first, then spread the flour/water mixture onto a third magazine cutout and stick it the same piece of paper. Write "flour + water" below that picture.

Compare the results of the experiment to your predictions. Only the flour and water combination works to make paper stick! Even if the water or water + salt stick at first, it won't stick once it dries. The water + flour mixture is what works as glue.



Copyright © PreKinders.com

Please enjoy this FREE resource. By downloading this resource, you are agreeing to the terms listed below.

COPYRIGHT INFO

Copyright © 2020 Karen Cox | PreKinders.com
All rights reserved by author.
Permission to copy for classroom use.

You may NOT sell this document in any form.
Uploading this document to school district websites, Facebook Groups, any online or electronic sharing services, or any website or app is illegal.
No derivative works. If you change anything in this packet, you may not sell or upload the derivative work as your own.
You may email home learning resources to your students' parents.

Read full terms of use here: http://prekinders.com/terms-of-use

Placing any part of this file online in any form is a violation of the Digital Millenium Copyright Act (DMCA).

The unauthorized reproduction or distribution of a copyrighted work is illegal.

CONTACT INFO

Karen Cox
Email: karen@prekinders.com

Website: www.prekinders.com

Feel free to contact me if you have any questions.

GRAPHICS CREDITS

Fonts by Kimberly Geswein

PRINTING HELP

Find Printing Tutorials here: **http://www.prekinders.com/printing-help/**
Most issues can be resolved by updating Adobe Acrobat Reader on your computer.
When you only want to print one page, go to that page, put your cursor on that page, click CTRL-P, and select "current page". If you want to print just certain pages, but not others, click CTRL-P and type in the page numbers you want.