

“In the Water”

Module 14, Exploring Bubbles

The logo for "EXPLORE IT" is enclosed in a black rectangular border. The word "EXPLORE" is in a bold, sans-serif font, with the letter "O" being a solid green circle. The word "IT" is in a smaller, regular sans-serif font. The letters "E", "X", "P", "L", "R", and "E" in "EXPLORE" have horizontal lines through them, giving it a stylized, digital appearance.

Prompt:

Make your own bubble solution and figure out ways to make bubbles big and small. Make your own bubble wands and try making bubbles using just your hands! What is your favorite way to make bubbles?

Note: This activity is best outside-- it can get messy and slippery indoors. If you and your child can't play outside today, try one of the activities from "[50 Ways to Play](#)" or do one of your favorite activities from last week again.

Materials:

- Dish soap ([Dawn](#) works best)
- Water
- Container or bucket to use for bubble solution
- Long spoon
- Straws
- [Thin string](#) or [yarn](#)
- [Pipe Cleaners](#)
- Scissors
- Your favorite bubble wands and tools

Materials from around your house that your child can use to make bubbles. Some suggestions:

- Cookie cutters
- Colanders
- Funnels
- Slotted spoons
- Fly swatters

Bubble Solution Recipe:

- 1 cup of dish soap
- 1 gallon of water

Note: You can adjust the amount of water and soap based on your preference, but this ratio of water to soap works well.

Directions: First, add water to your container. Then, add soap to the container. Mix together gently with a spoon, trying to not create too much foam. If possible, let the solution sit for up to 24 hours before you play. If you didn't have time to make this in advance, don't worry-- your bubbles will still work!

Instructions:

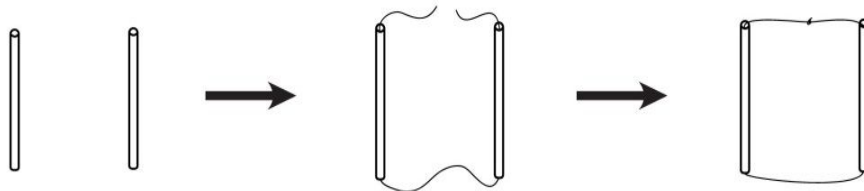
1. Read the prompt with your child. For this activity, we suggest watching the video from the Resources section of this page with your child before you start.
2. If you have not already prepared your bubble solution, follow the directions above and make your solution together with your child.
3. Invite your child to experiment with the bubble tools and items from your house. Spend some time experimenting with what tools work best. Talk with your child about anything they're noticing while exploring. What tools make big bubbles? Which ones make lots of small bubbles?
4. Encourage your child to use just their hands, experiment with making and catching bubbles.
 - **To make bubbles.** Put your hands together with the tips of your pointer finger touching and the tips of your thumbs touching, forming a diamond. Dip your hands into your bubble solution keeping the diamond shape. When you take your hands out of the solution, blow a bubble through the diamond shape.



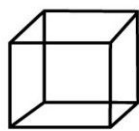
- **To catch bubbles.** Put your hands in the bubble solution. Make sure your hands are wet and soapy. If bubbles touch your hands when they are dry, they will pop! Gently catch bubbles as they fly by. See if you can pass a bubble from one hand to another.



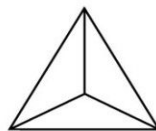
5. Encourage your child to make their own bubble tools a few different ways:
- **With pipe cleaners.** Use pipe cleaners to make bubble wands of different shapes and sizes. Bend them into circles, squares, stars, and more. Make sure you twist the ends of the pipe cleaners closed-- bubble wands won't work with open sides. You can also twist another pipe cleaner onto your shape to make a handle for your wand.
 - **With straws and string.** Thread 3 feet of string through 2 straws, and tie the ends of the string together. Hold a straw in each hand and pull them gently apart to make a rectangular frame.



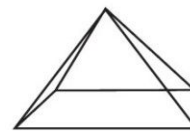
- **With pipe cleaners and straws.** Thread pipe cleaners through straws to create 3D shapes. Twist the ends of the pipe cleaners together to connect them. The straws keep the edges straight and the pipe cleaners allow you to connect the pieces together. Try out some of these 3D shapes.



cube



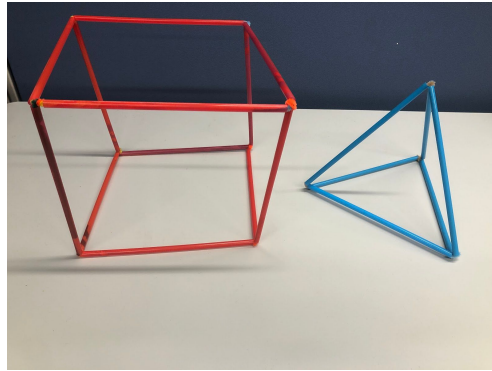
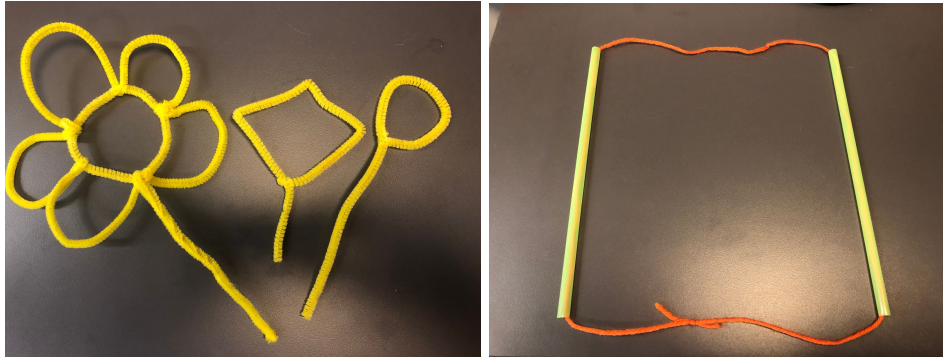
tetrahedron



pyramid

Resources:

1. This video from Boston Children's Museum's YouTube page gives a great explanation, for parents and kids, of exploring bubbles at home: [DIY Bubbles](#).
2. Need Inspiration? Check out these bubble tools made by your *Explore It* guides.



Extensions:

If your child needs more challenges to go along with this activity:

- Put a little bubble solution in a plate or tray. Invite your child to use a straw to blow lots of little bubbles. Then, try to blow one big bubble-- you have to blow very slowly. When you make a big bubble, take your straw out and then gently put it back inside the big bubble-- try blowing a bubble inside your bubble!
- Use whisks, spoons, or hands to stir the bubble solution to make lots of bubble foam. Encourage your child to experiment with the bubble foam. Give them some kitchen tools and plastic containers to play with.
- Use your bubble solution for a carwash for toy vehicles. Get them dirty playing in the mud, dirt, or even paint! Then use the bubble solution with sponges to wash them off.

Together with your child, go to the “In the Water” topic on Flipgrid and share their experience with bubbles.