

STEAM STORY TIME

AT HOME: BUBBLES!

Activity 1: Make a Bubble Wand

Supplies:

- Pipe cleaners
- Pony beads
- Any other found items from around your house
- Paper and pencil

Directions:

1. First think about what you want your wand to look like. Go ahead and draw your vision, making note of the different supplies you need. Remember to design a handle so you can hold onto it.
2. Make your wand!

Activity 2: Make Bubble Mixture

Supplies:

- 2 Tablespoons liquid dish soap
- 1 Tablespoon glycerin
- Pinch of sugar
- 1 cup of water

Directions:

1. Carefully mix the dish soap, glycerin, and sugar.
2. Add the water and gently mix thoroughly.
3. Let the mixture sit for an hour (or more if you can).

Extra:

Can you concoct a bubble recipe to make your favorite kind of bubbles? Try various amounts of different ingredients, including those listed above, or omitting them, or different brands. Be sure to write down each mixture you test, so you do not forget what you did.

Suggested Reading

- *Bubbles... Up!* by Jacqueline Davies
- *Every Last Bubble Must... Pop!* by Jason Carter Eaton
- *Big Bad Bubble* by Adam Rubin
- *You Wouldn't Want to Live Without Soap!* by Alex Woolf

Activity 3: Make Bubbles

Supplies:

- Your hand-made bubble wands
- Your home-made bubble mixture
- Pie pan or other container
- Things around the house that you think might make bubbles (like potato masher, pen cap, etc. - think outside the bubble wand!)

Directions:

1. Pour your mixture into the pie pan.
2. Start blowing bubbles!

Questions:

Can you create large bubbles? Small bubbles? What do you have to do to be able to do that? What shape does each bubble have?

What happens if you touch a bubble with a dry finger? What happens if you dip your finger in the solution and then touch a bubble?

What is a bubble?

A pocket of air inside a thin layer of soap, a thin layer of water, and another layer of soap. Bubbles pop when enough water evaporates.