

a WOW Lab

BLUEPRINT

Bubbles

Prep Instructions

Frozen Bubbles

If using store-bought bubble solution, this section can be omitted.

The following items will be required for the prep of this activity:

- water
- dish soap
- pipe cleaners
- small containers
- bucket

Step 1

Combine nine parts water with one part dish soap in the bucket. Divide the mixture into smaller containers.

Step 2

Leave the bubble mixture in the refrigerator overnight and keep it refrigerated until ready to perform the activity.

Step 3

Bend one end of a pipe cleaner so that it forms a circle. This will serve as a bubble wand. Make one bubble wand for each group.

Shape Bubbles

The following items will be required for the prep of this activity:

- pipe cleaners
- bucket (at least 1 ft. tall)
- dish soap
- water
- newspaper or drop cloth

Step 1

Add 2 cups of dish soap and 18 cups of warm water to the bucket and stir.

Step 2

Leave the bubble mixture to sit overnight.

Step 3

Twist several pipe cleaners together to make a cube, pyramid or any other shape (**Figure 1**). Make one shape for each group.

Step 4

Add a pipe cleaner handle to the top of the shape; this will make it easier to dip the shape into the bubble mixture.

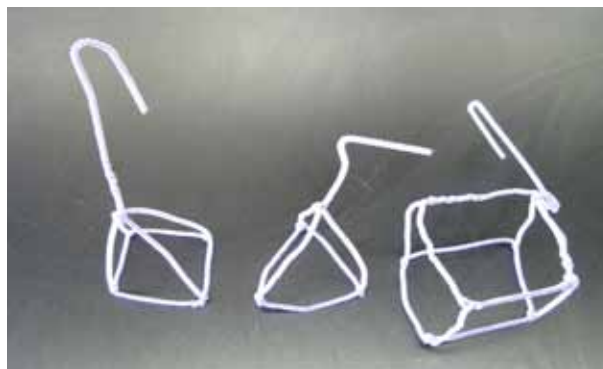


Figure 1

Step 5

Cover a table or the floor with a drop cloth or newspaper to facilitate the ease of clean-up and prevent the ground from getting slippery.

Coloured Bubble Art

The following items will be required for the prep of this activity:

- rubber gloves
- non-toxic washable markers
- steak knife or scissors
- tweezers
- dish soap
- jars or containers (one for each colour of marker)
- white craft paper
- spoon
- measuring cups and spoons
- water
- pipe cleaners

Step 1

While wearing a pair of rubber gloves, break open the non-toxic washable markers by either opening up the back of the marker or using a steak knife to saw through the plastic. Using the tweezers, remove the felt cartridges containing the ink. Place each different coloured cartridge into its own container. The felt cartridges may need to be cut in half in order to fit properly.

Step 2

Add 1 cup and 2 tablespoons of water to each of the containers (**Figure 2**). Let the containers sit for two hours in order to dye the water the colour of the ink cartridge.

Step 3

Remove the ink cartridges, leaving only the dyed water in the glass. Add 2 tablespoons of dish soap to each of the containers. Mix thoroughly and leave overnight.



Figure 2

Step 4

Bend one end of a pipe cleaner so that it forms a circle. This will serve as a bubble wand. Make one bubble wand for each student or group.

Step 5

Before class begins, cover groups of desks or part of the floor with white craft paper.

Bouncing Bubbles

The following items will be required for the prep of this activity:

- bucket
- small containers
- water
- dish soap
- glycerin
- cardboard paper towel tubes
- 100% cotton fabric
- newspapers or drop cloth
- glue or tape
- pipe cleaners

Step 1

Add 9 cups of water and 1 cup of dish soap to the bucket. Add 8 tablespoons of glycerin and mix thoroughly.

Step 2

Leave the bubble mixture to sit overnight. Divide the bubble mixture into smaller containers to hand out to the groups.

Step 3

To make a bubble bouncer, take a cardboard paper towel tube and cover one end with the 100% cotton fabric (**Figure 3**). The fabric can either be glued or taped in place. The bubbles can now be bounced on the fabric-covered end of the cardboard tube. Repeat until there is one bubble bouncer for each group.

Step 4

Bend one end of a pipe cleaner so that it forms a circle. This will serve as a bubble wand. Make one bubble wand for group.



Figure 3

Step 5

Cover a table or the floor with a drop cloth or newspaper to facilitate the ease of clean-up and prevent the ground from getting slippery.