



CHILDREN'S
MUSEUM
— OF VIRGINIA —
PORTSMOUTH

Pre and Post-Visit Activities

Bubbles, Bubbles Everywhere

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Information for Teachers

Thank you for choosing *Bubbles, Bubbles Everywhere* for your students! This program will cover the following aspects:

The student will be introduced to colors and shapes while exploring the properties of bubbles, and practicing sharing and group play. Participating elementary-aged students will be introduced to color and light concepts.

Vocabulary

Compare - to examine (two or more objects, ideas, people, etc.) in order to note similarities and differences.

Identify -to recognize or establish as being a particular person or thing.

Observe -to see, watch, perceive, or notice.

Predict - make a guess.

Result - something that happens as a consequence; outcome.

Test - to try out, conduct.

Pre-Visit Activities

Try these activities before your visit from the museum.

Shape Art

Objective: Students will be able to identify shapes

Materials: Pre-cut paper shapes in various colors, paper, glue, scissors and pencils

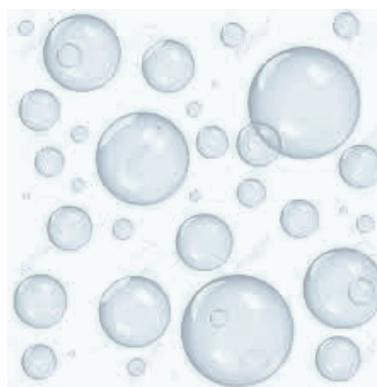
Investigation: Depending on the abilities of the students, have them create a collage using various shapes: triangle, circle, square. More advanced students can trace shapes and cut them out for use in their collage. Have students talk about what shapes they used, making sure that they identify the shapes correctly.

Imagination Bubbles

Objective: Students use their imaginations to create images of bubbles.

Materials: paper, crayons/markers, collage materials, glue

Investigation: Ask students where they have seen bubbles or where they would want to see bubbles. Allow them time to use art materials to create images of what has been discussed and anything else their minds imagine. Ask them about their pictures—the sizes of the bubbles and what the bubbles are doing.



Post-Visit Activity

Try this activity after your visit from the museum.

Little Bubbles

Objective: Students will be able to create their own bubble wands

Materials: pipe cleaners (chenille stems,) paper cones, string, straws, other found items (let them look around the classroom or at home for other items such as slotted spoons, eye droppers, funnels, etc.,) bubble solution (see below,) bowls for bubble solution.

Investigation: Instruct the students to create a bubble wand out of the materials (a requirement for bubbles to form is having an enclosed space for solution to hold- so pipe cleaners should be bent into an enclosed shape and string should be tied into a circle.) Have students play for a few minutes independently, then have them share their wand by passing it to another classmate. Students should observe what happens when they blow the bubble, noticing that the shape of the wand doesn't determine the shape of the bubble.

Bubble solution: Use 1 cup of concentrated dish soap per 1-2 gallons of water and add a few drops of glycerin OR a 2-3 teaspoons of light corn syrup. Stir gently—too much agitation leads to foam and can interrupt bubble play.

Bubble Painting

Objective: Use the bubble solution to create works of art

Materials: paper, bubble solution, water color paints, straws

Investigation: Add drops of water color paint to the bubble solutions until desired color is reached. Have students blow bubbles into the air and try to catch them on the paper. Or, if students are capable of blowing through the straw, have them blow bubbles into a small amount of solution and lay the paper over the bubbles. Several small bowls of various colors makes for fun artwork!



Bubbles Manners

Please review with students and chaperones prior to your bubbles program.

1. Bubbles are not for eating, or for splashing. Only the wand should go in the bubble bucket.
2. Remember to share the wands and take turns using the different kinds.
3. Stay near your bubble bucket.
4. Your feet make great bubble poppers! Practice stomping. Do keep the wands off of the ground while popping bubbles.
5. Always use your walking feet.

Notes to Staff

1. We require access to water in order to fill up our bubble buckets.
2. This activity must be done outside. Remember that the ground can be very slick after we are finished making bubbles.
3. Museum staff might alter the program for children under 2.
4. We appreciate the opportunity to bring a small part of the Children's Museum to you.

Thank you!

