



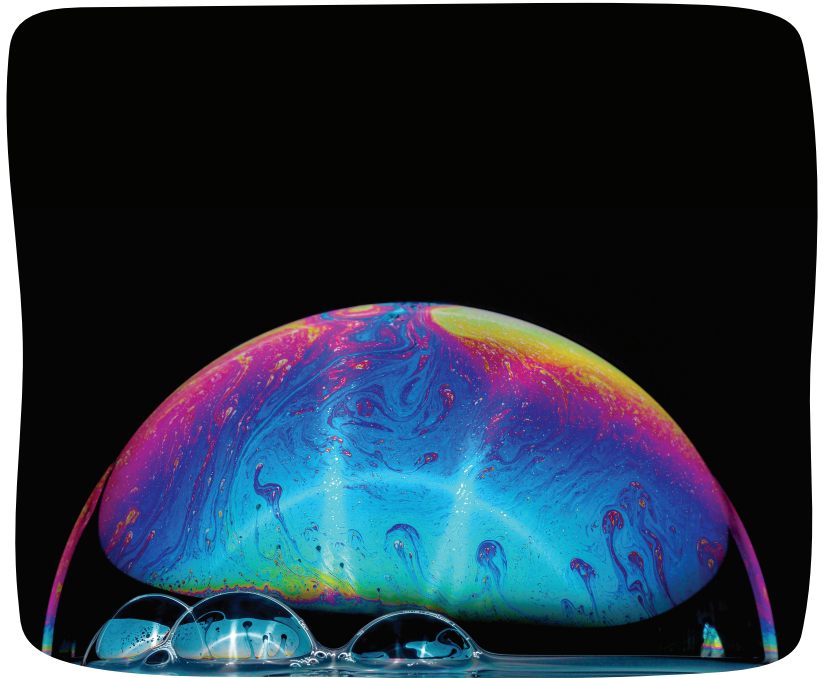
Virtual Purple Museum

BUBBLE DOMES

Are you missing the Bubbles exhibit? Try making your own bubbles at home! This bubble domes activity brings your bubbles to another level, helping your children learn about math and science.

SUGGESTED MATERIALS

- ☐ Straw (1 per child)
- ☐ Bubble solution
(1 part dish soap to 10 parts water)
- ☐ Tray or baking sheet
- ☐ String
- ☐ Ruler
- ☐ Optional: Newspaper to catch any spills



TRY IT!

1. Fill your tray or baking sheet with a thin layer of bubble solution – check that it really “bubbles.” Older children can help with this. (Does it need more soap? More water? Experiment!)
2. Place one end of the straw into the thin layer of bubble solution and blow gently into the straw to create a bubble dome. Try making domes of all different sizes. Make the biggest dome possible. Now make a smaller dome inside a big dome.
3. Now try the math part. Wet a piece of string in solution and carefully place it around the dome at the base. Mark the string where it meets the other end. Stretch the string out along a ruler and measure the marked-off length. This will tell you the bubble dome’s circumference.
4. Make a lot of domes – what happens when domes touch each other? Are the edges still round?
5. Try placing a wet fork or a rubber toy in the dome. What pops your dome? What doesn’t?