

BUBBLES

BUBBLE PLAY WITH YOUR CHILD(REN)

Allow your child(ren) to help you measure, pour, and mix the bubble mixture ingredients while you're making it. ***This not only strengthens their self-care skills, but is great early math practice.***

WHAT EXACTLY IS A BUBBLE?

A bubble is air wrapped in a 'shell' of soap film that holds the air inside.

WHY ARE BUBBLES ROUND?

Bubbles can actually stretch to become all kinds of shapes. But, the bubble automatically shrinks to the smallest possible shape (that can still contain the air inside).

A sphere (circle) has the ratio with the smallest surface area to the amount of volume it can hold.

If you don't have a ***bubble wand*** leftover from a commercially-made bubble solution, you can make one with a pipe cleaner.

Simply twist the top into a circle shape to start. You can also have your child(ren) practice their shape knowledge by making bubble wands in other designs -- triangle, heart, etc.

Remember, because of the surface area, the bubbles will come out round no matter the shape of the wand. This is a great opportunity for your child(ren) to see that in action!

There are so many ***opportunities for scientific observation during simple bubble play!*** Here are some questions you can ask your child(ren) to guide their scientific inquiry:

Is a bubble really clear or can you see colors in it? Where do you think the colors came from if the bubble solution in the dish was clear?

How far do you think the bubble will fly before it pops?

How many bubbles can you count in the air?

Bubble painting is a fabulously fun process art activity! Simply add food coloring (just a few drops!) to cups of bubble mixture -- one for each color -- and then let your child(ren) blow bubbles onto paper for a unique piece of art!