

Bubbles!



Playful experiments in chemistry & physics

Play is a means of deep learning for young children. In Gaffield Children's Garden, we provide rich, open-ended Nature Play experiences. We are committed to it, knowing that these experiences will become an essential part of the child, will be transformed into intellectual pursuits, imaginative pursuits, support physical and emotional health, and promote positive regard for the Earth now and into adulthood. We encourage families to participate and replicate what we do here, in their own homes, apartments, and parks. Here is a recipe for Nature Play at Home: Bubbles!

SUPPLIES!

- bubble solution -- see below for home made version
- wands, or make your own from sticks and heavy string
- flat, shallow dishes to hold solution



PLAY!

- if using home made bubble solution, collect ingredients and lead child through the preparation steps
- if using home made wands, use different sizes of string loops
- set out shallow dishes of solution and the wands
- hands can be bubble makers, too

MORE PLAY?

- we adapted the following recipe from scientificamerican.com
- 1 cup water + 2 TBSP blue dishsoap + 1 TBSP glycerin + 1 tsp granulated sugar; gently mix and let set for at least 1 hour.
- a giant bubble wand can be made from 2 sticks or dowels, a large loop of string, 2 screw eyes + a metal washer

CONSIDER

- Remember to let the kiddos lead the way.
- The difference between play and "activities" largely comes down to who leads it. In play, children lead based on their own interests and curiosity. In "activities," the adult's agenda is leading.
- Bubbles are experiments in surface tension, viscosity, but most importantly good soapy fun!

