

## Summer Science Activity: Backyard Bubbles

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You're never too old to have fun with bubbles! Experiment with different solutions and wand designs and see how long-lasting and interesting-looking your bubble creations can be.

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### Basic recipe:

- 1 cup water
  - 2 tablespoons dish soap (Joy or Dawn brands work best)
  - Combine the above in a jar. Make sure the jar is very clean. Stir gently.
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### Experiment:

(Make several batches of the recipe above. Experiment by adding one tablespoon of ONE of these ingredients to each. Which makes bubbles last longest?)

- Corn syrup
  - Sugar
  - Vegetable oil
  - Glycerin (available at drugstores)
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### Tips:

Once you've found the best formula, here are some tips to make even better bubbles:

- Refrigerate your bubble mix before using
  - Blow bubbles on a rainy day; the moisture in the air should make them last longer
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### Make-your-own bubble wands:

- Wrap a handful of straws tightly with Scotch® Magic™ Tape; blow through all holes at once!
- Make a big wand with a wire coat hanger or a small one with a large paper clip. Straighten the wire and form one end into a loop. Form the other end into a handle and wrap with Scotch® Duct Tape.
- Cut plastic straws into pieces to make all sorts of geometric shapes; join pieces together with small strips of duct tape. Dip in bubble solution and see what shape bubbles you can create.

Find objects around the house that might make good bubble wands:

- Plastic berry containers
- Fly swatters
- Pipe cleaners (curl to make a loop and handle)

For more resources, visit [www.discoveryeducation.com/sciencefaircentral](http://www.discoveryeducation.com/sciencefaircentral).

