The Amazing Cube Bubble Experiment!

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Have you ever seen a square bubble? Can you create a square bubble with your own hands? Through this magical STEM experiment, explore the concepts of surface tension and geometric constraints.

- Age: 5-16
- Time: Less than 30 minutes
- Mess Level: Messy

Materials Needed:

Pipe cleaners (12) Straws (13) Container (any water-holding container you can find at home, preferably large) Concentrated washing-up liquid Stirring stick



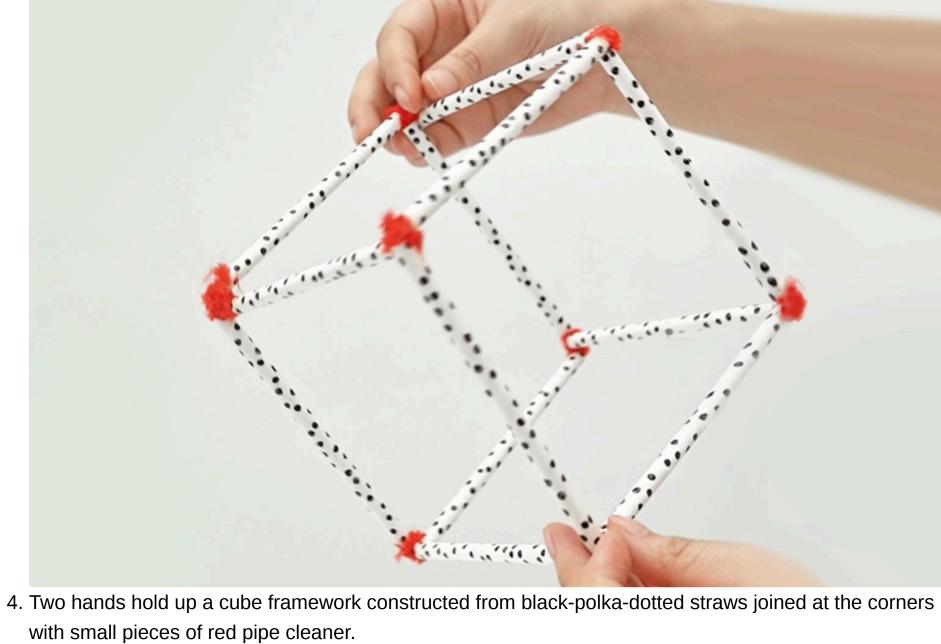
Step-by-Step Instructions:

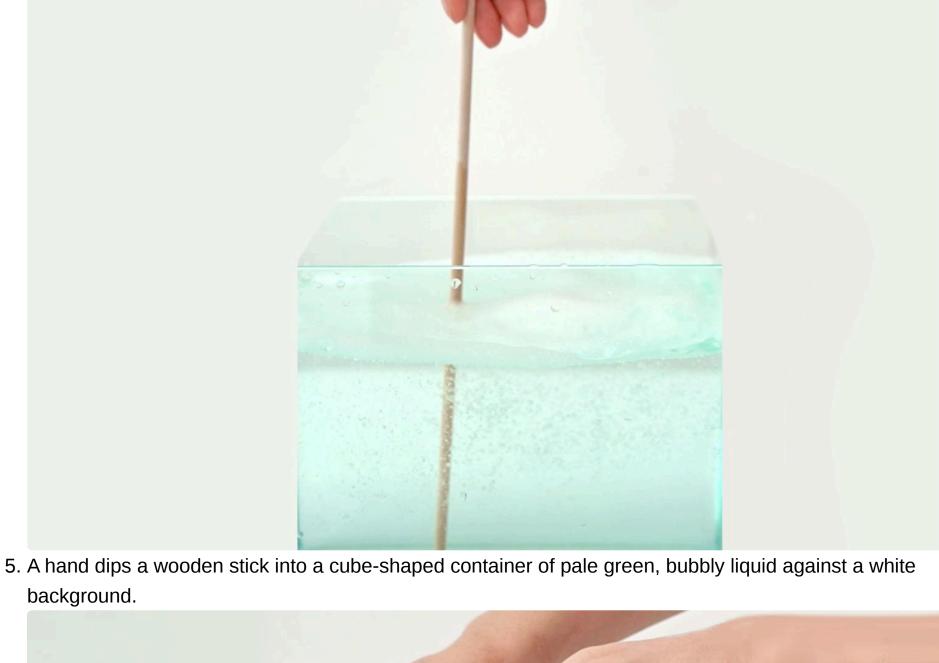
1. Insert the prepared pipe cleaners into the straws. You'll need to make 12 of these straw-pipe cleaner combinations.

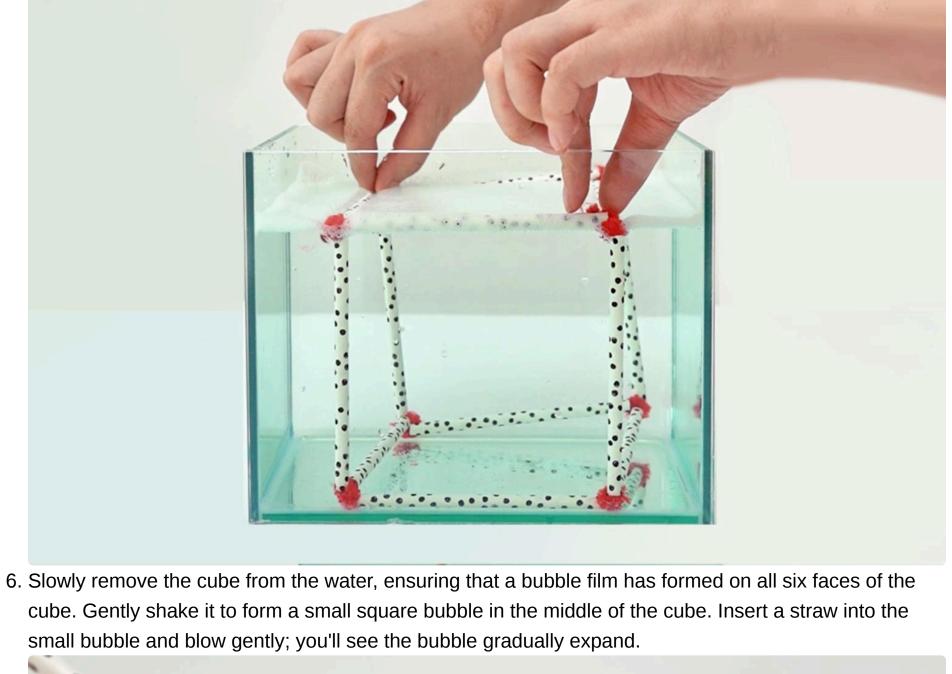




paper straw.









A cube-shaped frame made from black-polka-dotted straws, secured with red pipe cleaners, contains a clear

soap bubble, with a straw extending from one corner. When a bubble forms inside a cube-shaped mould, it's constrained by the mould's shape. The bubble

adapts to the corners and edges of the mould, forming a cube-like shape. Once it loses the constraint of the frame, the bubble will either burst or return to a spherical shape.

Think about it: besides cube bubbles, what other shapes of bubbles can you create?