

# STEM challenge

### CONSTRUCTION CHALLENGE: BUBBLE WAND



### Materials:

Pipe cleaners Bubble solution

#### Instructions:

Plan, design and construct a bubble wand using pipe cleaners. Test your design in bubble solution. Modify if required. Experiment with different shapes to see what types of bubbles you can make!





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### Prototype:



Steps:





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Test your bubble wand. Did it remain intact when blowing bubbles? Make modifications if required.

yes

no

Rate your design:



What did you like about your design?

What would you do to improve it next time?