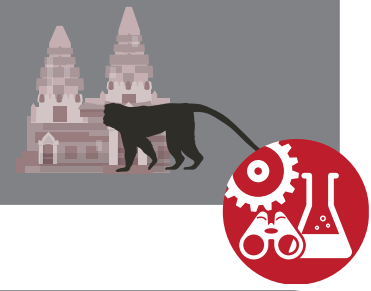


# BETTER BUBBLES

## MONKEY CITY Creative Expression



### THE ADVENTURE:

Take your bubble game to the next level. Design and build your ultimate bubble wand. Do you want to make stronger bubbles that last longer and float farther? Or do you want to create many teeny tiny bubbles? How can you make a giant bubble?

The right bubble liquid and bubble wand can make all the difference when blowing bubbles. Try out different combinations of soap, water and other ingredients to make the best bubble liquid.

### PLAN:

- What do you know about making bubbles?
- What can you use to make bubbles?
- What materials will you use to build your bubble wands?
- How could you make bubbles of different shapes and sizes?
- What challenges will your Lair attempt? The biggest bubble? Strongest bubble? Longest-lasting bubble?

### DO:

- Collect any materials you want to use to make your better bubble wand.
- Try a few different designs to create the ultimate bubble wand.
- Get outside and blow some better bubbles!

### REVIEW:

- What do you know now that you did not know before?
- What materials worked well for your bubble wand?
- What ingredients worked best for your bubbles?
- What made some bubble wands work better than others?
- How did you work together to design different bubble wands?
- What shapes were your bubbles? How could you make bubbles of different shapes?
- How were the various bubble wands different? What about the bubbles they created?
- What elements of STEM were in this adventure? Science? Technology? Engineering? Mathematics?
- What did you like about this adventure? What did you not like? How would you do this adventure differently?

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# BETTER BUBBLES

## SAFETY TIP:

- What do you need to remember to stay safe when you are **out in the sun**?

## MATERIALS:

- Dish soap
- Water
- Glycerin
- Tray for bubble liquid
- Bubble wands
- Scissors
- Materials for your bubble wands, such as straws, plastic cups, plastic bottles, pipe cleaners, string etc.

## ONLINE RESOURCES:

- Tensile Bubbles
- Bubble Party
- Square Bubbles
- How to Make Giant Bubble Wands
- The Science of Bubbles

