

# A STEM in the Park

# Take Home Activity

# STEM

in the **PARK**™

Science, Technology, Engineering, and Mathematics

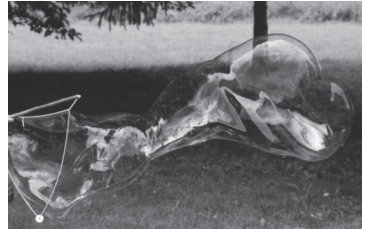
## Giant Bubbles & Super Duper Bubble Wand & Blue Foam too!!!

Want to make some amazingly huge bubbles & colorful fun foam at home?!

Here's how...

### **Giant Bubbles** source: [www.busykidshappymom.org](http://www.busykidshappymom.org)

- 6 cups water
- 1/2 cup dish soap
- 1/2 cup cornstarch
- 1TBSP bakng powder
- 1 TBSP glycerin



### **Super Duper Bubble Wand** source: [www.designdazzle.com](http://www.designdazzle.com)

- 2 wood dowels 3 feet in length
- 2 eye screws
- 1 washer (heavy enough to weigh down cord)
- 12 feet cotton piping cord (can be found in sewing stores) cut into two lengths one 8 feet and one 4 feet

***Continued on back***

## **Colorful Fun Foam Recipe** source: [www.twodaloo.com](http://www.twodaloo.com)

- 1/3 cup distilled water
- 1/3 cup dish soap (you can use whatever you have on hand)
- 1 tbsp cornstarch
- A few squirts liquid watercolors in your desired color/colors (you can use food coloring as well, but beware of staining on clothes/hands.)

Add ingredients into a bowl with mixer and beat until foam begins to form. Pour foam into a shallow plastic container for super duper sensory play! Bubbles last longer using the cornstarch.

## **The Science**

You've got water molecules (the smallest parts of a substance) and you've got soap molecules. Soap molecules really like to stick to the water molecules, but they also like the air and the stuff that makes us dirty - grease/grime/oils. So the soap molecules latch on the water molecules and the air above. There are also soap molecules trapped underneath to form three layers, which create the **BUBBLES!!!** Lots of bubbles together make **FOAM!** Bubbles + Foam = **Science & Fun!**

***This activity is brought to you by Spark! Perrysburg***  
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