

# Homemade Bouncy Balls!



Post a picture of yourself with your bouncy balls on Facebook and tag Worlds UNBound to be entered into a draw for a FREE week of camp. Let us know how your experiment turned out!

## Materials:

- Plastic container
- Spoon

## Method 1:

- Baking Soda
- Water
- Liquid Glue
- Food Colouring

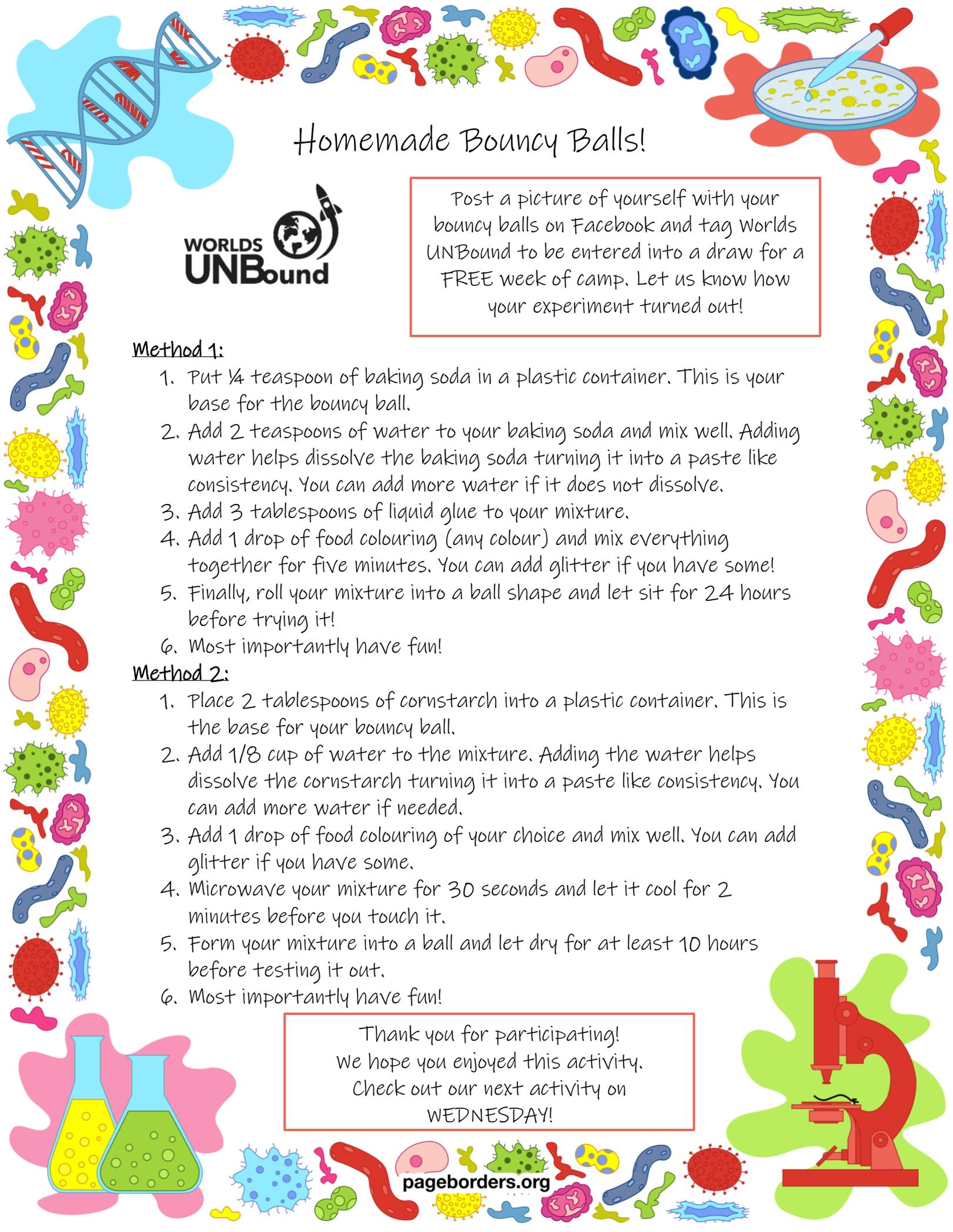
## Method 2:

- Cornstarch
- Water
- Food Colouring

This week's theme is all about girl empowerment within the STEM field. Our goal is to encourage women to shine in these programs by providing fun hands on activities. Today you will be creating your own bouncy ball. Above are two separate material lists to choose from. Test out both and see which one works best!

1. Using the materials above, come up with a plan as to how you are going to create your bouncy ball. Decide which materials you want to try first and pick a colour. Write a hypothesis to predict which option will work best. A hypothesis is a proposed explanation based on limited evidence as a starting point for further investigation. It is very important to develop a plan before diving into an activity.
2. Once your plan is complete, it is time to make your bouncy ball using only the resources mentioned above. Remember not to rush and have fun!





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## Method 1:

1. Put  $\frac{1}{4}$  teaspoon of baking soda in a plastic container. This is your base for the bouncy ball.
2. Add 2 teaspoons of water to your baking soda and mix well. Adding water helps dissolve the baking soda turning it into a paste like consistency. You can add more water if it does not dissolve.
3. Add 3 tablespoons of liquid glue to your mixture.
4. Add 1 drop of food colouring (any colour) and mix everything together for five minutes. You can add glitter if you have some!
5. Finally, roll your mixture into a ball shape and let sit for 24 hours before trying it!
6. Most importantly have fun!

## Method 2:

1. Place 2 tablespoons of cornstarch into a plastic container. This is the base for your bouncy ball.
2. Add  $\frac{1}{8}$  cup of water to the mixture. Adding the water helps dissolve the cornstarch turning it into a paste like consistency. You can add more water if needed.
3. Add 1 drop of food colouring of your choice and mix well. You can add glitter if you have some.
4. Microwave your mixture for 30 seconds and let it cool for 2 minutes before you touch it.
5. Form your mixture into a ball and let dry for at least 10 hours before testing it out.
6. Most importantly have fun!

Thank you for participating!  
We hope you enjoyed this activity.  
Check out our next activity on  
WEDNESDAY!