

# **RUBBER EGG**

## **ITEMS NEEDED:**

- 1. 1 egg (be careful handling this fragile egg)**
- 2. Peanut butter jar**
- 3. Vinegar**

## **DIRECTIONS:**

- 1. Put egg carefully into the peanut butter jar. Do not break the egg!**
- 2. Add enough vinegar to cover the egg. Screw on the lid tightly.**
- 3. Label your jar as a Science Camp experiment so that no one will disturb your experiment.**
- 4. Put the jar into the Refrigerator for 24 hours (one day).**
- 5. The next day: Open the jar and carefully pour out of the vinegar. You will notice something has already happened to the egg.**
- 6. Put more vinegar into the jar so that the egg is covered again.**
- 7. Leave the jar in the Refrigerator for another 24 hours.**
- 8. After a total of 2 days in the frig: Open the jar and carefully pour out the vinegar. Carefully pour the egg into your hand.**

## **WHAT HAPPENED TO YOUR EGG? WHAT HAPPENED TO THE SHELL? WILL YOUR EGG BOUNCE?**

**\*\* Facts: The vinegar created tiny bubbles on your egg. The vinegar is an acid and the eggshell is made up of calcium carbonate. This carbonate + vinegar creates carbon dioxide. The Carbon Dioxide dissolves the eggshell. The vinegar also hardens the egg making it bounce.**

- IF YOU POKE HOLE IN EGG IT WILL GUSH.**

# **SQUISHY FUN**

## **ITEMS NEEDED:**

- 1. Hair conditioner (If hair conditioner is white, you can add a little food coloring to it to make it colorful – but this will stain your hands for a while.)**
- 2. Cornstarch**
- 3. Plastic bowl or container**
- 4. Plastic spoon or fork**

## **DIRECTIONS:**

- 1. Put  $\frac{1}{2}$  cup of cornstarch into bowl.**
- 2. Squeeze into cornstarch a small amount of hair conditioner. You do not want this mixture to be like soup, just enough to make the cornstarch wet. It will look like pie dough: crumbly.**
- 3. Stir the mixture. If it is too dry then add more hair conditioner or if it is too wet then add more cornstarch.**
- 4. Get your fingers into the bowl and squish it. It is so much fun!**
- 5. Create different objects out of the squish such as a ball or a bowl or a worm. If this mixture is wet then you can have fun with the slime. (That is what happened to Miss Connie on the video.)**
- 6. Put the objects onto a paper towel and allow them to dry. They become hard over time.**

**\*\* Instead of using hair conditioner you can use: shaving cream or dish soap. Follow the same instructions as above. The shaving cream and dish soap objects are more crumbly and will not harden as much.**

**\*\* Your hands will smell great and even your harden objects will smell just like the fragrance in the hair conditioner, shaving cream or dish soap.**

**\*\*\* Facts: Cornstarch is used in puddings, gravy and sauces. Cornstarch will bind or thicken the liquid in your pudding, gravy or sauces. This is what happened to the hair conditioner, the shaving cream and the dish soap = the cornstarch thickened the liquid and made it squishy.**

