

Hey guys! Ready for another **STEAM** project? I'm **Miss Leah**, and I'm going to show you how to create Rubber Eggs! Yes, you read that right. Rubber eggs are so easy to make. All you need is:



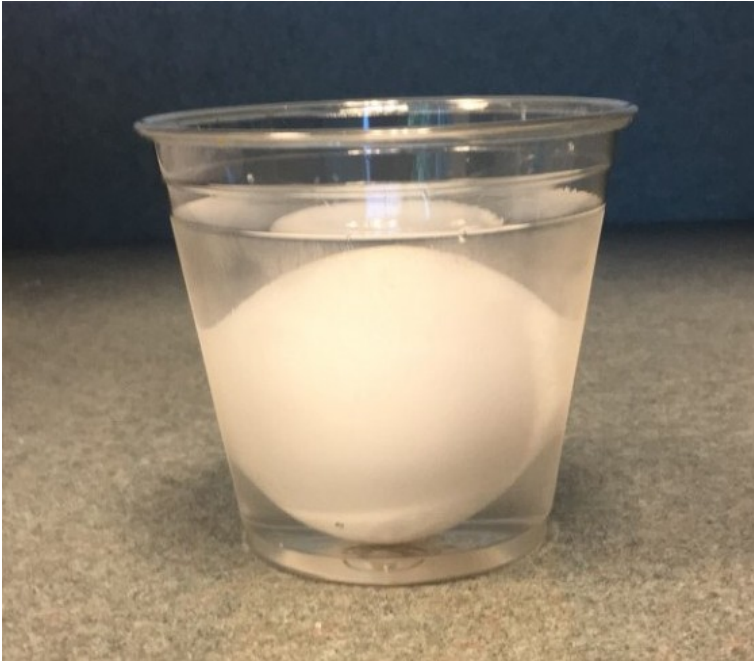
- A raw egg
- A clear cup
- Vinegar
- Food coloring



Keep in mind, this project requires a few days of waiting, but we'll call this "**Observation.**" After the three days, you'll be amazed at what happens.

## Step 1:

**This really is easy! Put your egg in a clear cup and fill it up to the top with distilled vinegar. Make sure the egg is completely submerged.**



**Add a few drops of food coloring.**

## Step 2:

Set your egg aside and observe it for the next **3 days**. See how it fizzes? You'll notice something floating in the vinegar– that's the very top layer of the egg's shell beginning to dissolve!



On Day 2, give the egg a tap with your finger. Notice the difference already? It's squishier!





### Step 3:

**Day 3! Time to remove your egg from the vinegar. You'll notice there's more fizz at the top. Rinse the excess shell off your egg to reveal the rubbery membrane.**

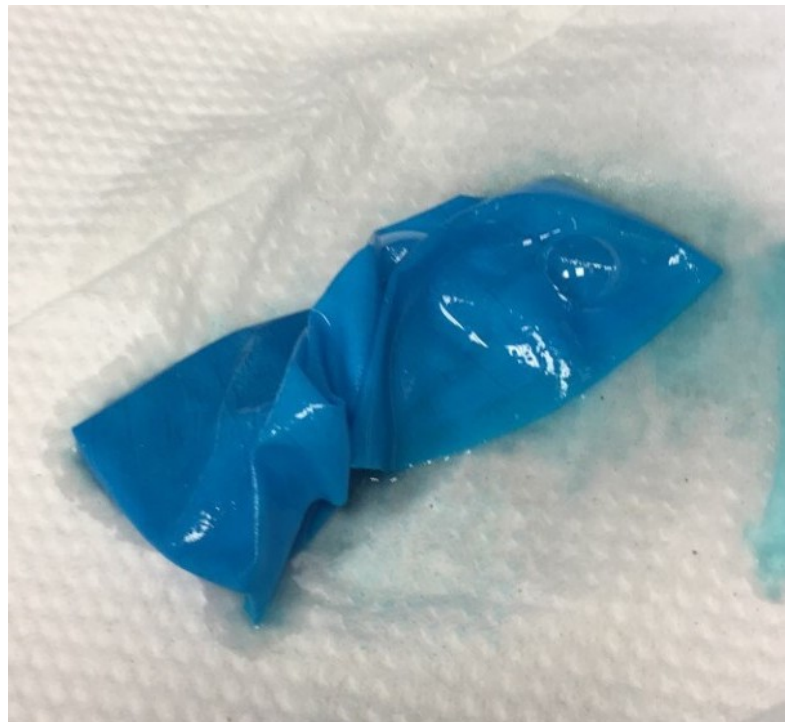


**Squish it around in your fingers, but be careful! The egg is still raw. You can bounce it around, just don't throw it like a bouncy ball! Trust me, it'll break.**



**Here's what the egg looks like on the inside. A lot of the liquid is vinegar that the egg soaked up.**

**Here's the membrane layer. It's consistency is similar to a balloon.**



## What's the STEAM behind it all?

Eggs are made up of several layers, all serving a specific purpose. The eggshell, made from **calcium carbonate**, is the top layer that shields the egg. The vinegar breaks this layer down, revealing the next layer– the shell membrane. This layer helps protect the egg from bacteria. It has the rubbery consistency that allows you to squish it and bounce it around. Pretty cool, huh?

I hope you all enjoyed this activity. Stay tuned for more fun STEAM projects with me. Until next time, be well!

*-Miss Leah*



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