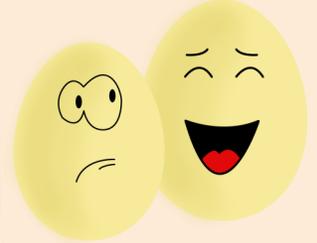


Featured Project:

Bouncy Eggs!

Did you know that you could make an **egg bounce**? In this experiment, turn a regular raw egg into a **bouncy egg**. The result will be an egg that feels rubbery (like a bouncy ball) and **does** bounce. Just be sure not to bounce it too high unless you are ready for a messy result!



Materials Needed:

- Raw eggs
- White vinegar
- Clear jars or containers
- Food colouring (optional)

 **Time to Make:** 48-72 hours.
10 minutes to prep, several hours of waiting!

Instructions:

1. Place egg in a tall clear container with a wide mouth. The **egg will expand with time so a wide mouth container is important**. Cover the egg with vinegar. The egg may float—this is okay. Add food colouring if desired. Let sit for 24 hours.
2. Observe the eggs. Take note of what you see. Are there bubbles? What does the shell look like? Is the egg getting bigger? Smaller? Sinking? Floating?
3. After 24 hours, change the vinegar. Be very careful not to poke a hole in the eggshell while doing this. Cover the egg with fresh vinegar and let sit for another 2-3 days!
4. In a couple of days, the shell should be completely gone! Gently rinse the eggs with warm water and explore their fun (**yet delicate**) membrane that covers the egg.
5. You've successfully made an egg without a shell. Now to **see if it can BOUNCE!**

How does it work?

Eggshell is made of **calcium carbonate**. Vinegar is an **acetic acid**. The two mixed together create a reaction. The calcium carbonate eggshell dissolves but the membrane inside the shell, surrounding the egg, remains intact. This makes the egg feel rubbery. How do the eggs feel compared to eggs still in their shells? Can you see anything moving inside? Try holding it up to a light!

Sources: <https://parentingchaos.com/bouncy-egg-science-experiment/>
<http://www.planet-science.com/categories/experiments/messy/2011/02/can-you-make-an-egg-bounce.aspx>

What is Maker Minute?

Maker Minute is our way of bringing the SDG Library MakerLab to your home! Each week, we'll release a cool activity or experiment that you can do using items from your home. You can share your progress and finished products on our social media pages:

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We can't wait to see what you'll make next!