

**Today in**



**we learned all about...**

## *Garbage*



- We learned how long it takes for ordinary objects to decompose or biodegrade.
- We learned that not only do the products we use create garbage, but so do our bodies, and the processes we use to generate energy...that's a lot of garbage!
- We examined the danger that landfills pose in contaminating our water.
- We looked at ways to reduce our garbage, and even tried packing material you can eat! (It was gross)



**LET'S TRY THIS AT HOME!**

## *Bad Milk to Good Fun*



You Need: One Adult Helper, 250ml (1 cup) of milk, 1 teaspoon of vinegar, one small pan, one small glass jar

### What to Do:

Heat the milk in a pan until it curdles, or forms lumps. Slowly pour off the runny liquid. Put the lumps in the jar and add vinegar. After an hour or so you should find that a rubbery blob has formed in the jar! Pour off the liquid and sculpt your blob. It will dry in a couple hours.

### What's Going On:

In the vinegar, the fat in the milk separates out. In the blob of fat is a protein called casein (KAY-seen), which is a polymer that behaves just like the polymers in plastic.



**ASK ABOUT OUR OTHER MAD SCIENCE PROGRAMS: Mad Science offers a broad range of Workshops, After-School Programs, Special Events, Assemblies, Vacation and Summer Programs, and of course, Birthday Parties!**