

Brick Boredom Buster Camp:

Friday, April 3

ScienceMania



Today is ScienceMania! This is going to be a messy, loud, but exciting day! Parents to be put off by the words messy and loud. The kids will have THE MOST fun with this day because it gets their little minds working to figure out how these things work. Science Week is always one of our most popular weeks during our summer camps. So, have fun with it and don't be afraid of the clean-up. It will be worth it ☺

Use them all, use only one, or mix and match! On some activities, we've added a "make it extra" section to expand on the activity and make it more fun or last longer. And don't forget to take a picture or video, post it to Instagram or Facebook, and tag #brickboredombuster to be entered into the weekly drawing for a prize pack that we mail to your home!

Starting the Day Off Right: Fun Science Video

1. This is Steve Spangler on *The Ellen Show*. He does super exciting experiments to get kids interested in science! **At the beginning of the video he shows you an experiment that you will be doing a little later** The main point of the video is the Popping Film Canisters! We won't be doing that today but if you ever want to do this experiment, you can order the canisters off Amazon! For today, it's just something enjoyable to watch.
 - a. Link: <https://www.youtube.com/watch?v=nsayFUSwKfs>

It Might Get Messy...

1. We are going to make Ooblek! Now, it is up to you if you want to do it outside or not. At The Brick, we always do it outside because we can use the hose to clean off.
 - a. The science behind it: Corn starch and water do not mix, which creates a weird solid/liquid state. If you press on it, punch it, or squeeze it in your hand, it is as hard as a rock. BUT if you scoop it up in to your hand it drips out like water. Ooblek is a suspension, not a solution. The cornstarch does not dissolve in the water like salt or sugar would. Instead, the tiny starch particles are suspended in the liquid.
2. **Ingredients:**
 - Cornstarch
 - Water
 - Bowls
 - Measuring cups
 - Mixing spoon
 - Newspaper for covering tables (if inside)
 - Water hose (if outside)
 - Aprons or clothes you don't mind getting messy
3. **Instructions:**
 - a. To mix up some Ooblek grab a box of cornstarch, some water and a mixing bowl. In general, a mixture of about 1.5 cups of cornstarch to 1 cup of water is a good starting point.

- b. Pour the cornstarch into a large mixing bowl and slowly add the water. You are shooting for a mixture that feels kind of like honey but is hard when pressed on. You will have to experiment with the amount of cornstarch and water until you get the right mixture.
- c. One thing to keep in mind, because this mixture is a suspension (as mentioned above), **it is very important to not pour Ooblek down the drain**. Should the suspension separate in your drain pipes, you will be left with a hard clump of cornstarch that will block the drain. It is best to just throw it away or rinse the bowls out with the hose outside.

It's About to Get Loud!

1. Explore the wonder of gases with this cool exploding sandwich bag science experiment. Watch the video to show you how to do it: <https://www.youtube.com/watch?v=GFV7fPf27X0>
2. **Materials Needed:**
 - 1/2 cup vinegar
 - Sandwich size zip lock bag
 - Bicarb soda
 - A tissue
3. **Instructions:**
 - a. Pour the vinegar into the plastic bag and zip it closed.
 - b. Place 4 generous TSP of baking soda into the center of an unfolded tissue.
 - c. Raise the corners of the tissue to enclose the baking soda in a little sack.
 - d. Unzip the sandwich bag enough to fit the baking soda packet and quickly close the bag again.
 - e. Shake it up until it fizzes.
 - f. When it starts to fizz, put it down on the table and wait for it to 'pop.'
 - g. The baking powder will start to fizz, causing the bag to expand and eventually explode.

Get Outside: Planet Hopping!

1. We're going to learn about the solar system while also getting moving! Look up the solar system and go over it with your little scientist before the games starts!
2. How to play:
 - a. Lay out couch/seat cushions, pillows, or anything you don't mind getting stepped on. Make sure you have the same number as the sun and planets (Pluto still counts!)
 - b. The object of the game is to get from the sun to Pluto without getting the order wrong or falling off the planets. If either of those happen then you have to start over.
 - c. If you make it to the other side then you are the Solar System Master!
 - d. Make it extra: Time your little scientist to see how fast they can get across without messing up at all!

Physical Activity: Kids Fitness

1. P.E. with Joe: Day 2! Remember you can do this work out with your little scientist today, too! It's only 30 minutes!
 - a. Link: https://www.youtube.com/watch?v=6v-a_dpwhro