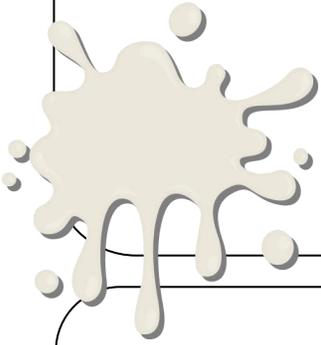


Bartholomew and the OOBLECK

Materials I Used:

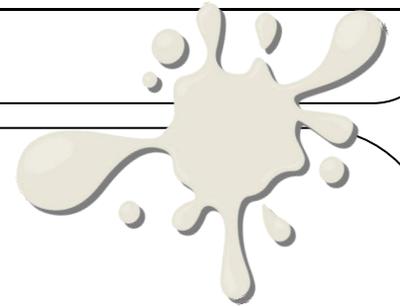
What I think will happen:



What I did:

What I Saw:

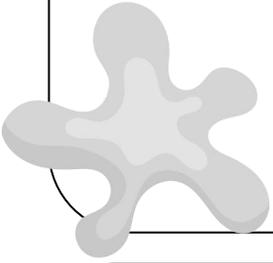
Draw it:



What Happened:

Butter Battle Book, Make Butter

Materials I Used:



What I think will happen:

What I did:

What I Saw:

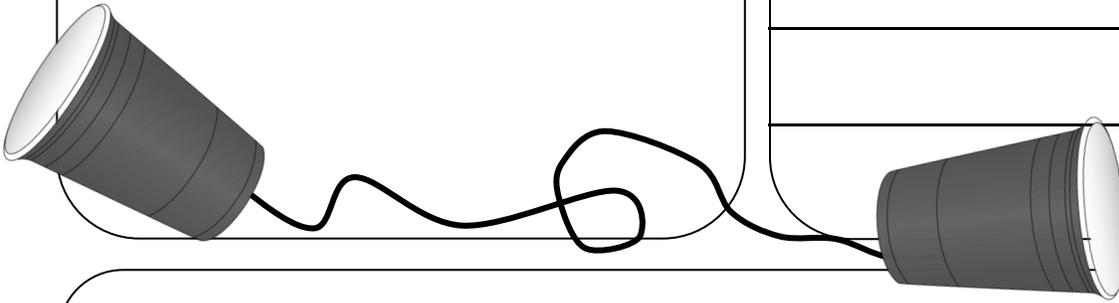
What Happened:

Draw it:

Horton Hears a Who. Make a Phone Challenge

Materials I Used:

What I think will happen:



What I did:

What I Saw:

Draw it:

What Happened:

Dr. Seuss Inspired Fizzy Green Eggs



Fizzy Eggs Supplies:

Book: Green Eggs and Ham by Dr. Seuss

Baking soda

White vinegar

Food coloring

Green plastic eggs

Dish soap (optional)

Eye dropper, pipette, baster, or squeeze bottle

Set Up/Process:

Scoop 1-2 tbsp of baking soda into each plastic egg.

Add several drops of food coloring.

Add a drop or two of dish soap if desired (makes a foamier eruption)

Set out a bowl full of vinegar which you can also color green.
with an eye dropper, baster, or pipette.

Baking Soda Science Information: States of Matter are fun!

When the acid in the vinegar and the base in the baking soda mix together they form a gas called carbon dioxide. This is a mixture.

The gas releases the fizzing bubbles that you can see, hear, and even feel. Depending on the size of the container, the mixture has nowhere to go but up and out making the exciting eruption kids will want to do over and over again.

Stock up on vinegar and baking soda for this one!



Dr. Seuss Inspired Homemade Butter



Homemade Butter Supplies:

Book: The Butter Battle Book by Dr. Seuss
Heavy Cream (enough to fill jars halfway)
Mason Jar with Lid

Set Up/Process:

Fill your glass jar about halfway, you need to leave enough room to shake the cream!

Make sure the lid is tight and shake.

Making butter requires a bit of arm strength, so you will be trading off with your kids unless you have a house full or classroom full!

Carefully pass around the jar.

Homemade Butter Science:

After the first 5 minutes, there is no real visible change. After shaking for 10 minutes, you should see whipped cream. (sneak a taste for science's sake)!

After 15 minutes of shaking, you should have sore arms and butter. You will see both a solid and a liquid now in your jar.

Heavy cream has a good deal of fat in it. That's why it makes such delicious items. By shaking the cream, the fat molecules begin to separate from the liquid.

The more the cream is shaken the more these fat molecules clump together forming a solid which is the butter. Spread on bread and enjoy!



Dr. Seuss Inspired Sound Science



Paper Cup Phone Supplies:

Book: Horton Hears A Who by Dr. Seuss
2 Paper Cups
3 Yards of String
Printable Characters

Set Up/Process:

Start by poking a hole in the bottom of each cup (this can be done ahead of time for a group).

Thread and end the string through each hole of the two cups. Tie the string off with a knot or attach the string to a paper clip which you can then tape down inside the cup.

Sound Science:

When you speak into the cup it creates sound waves which then become vibrations at the bottom of the cup.

These vibrations travel along the string and are turn back into sound waves when they hit the other cup. This is how a friend will hear what you have said.

Sound can travel through the air, but it can travel even better through solids like the cup and string. This lets you hear sounds that might have been too far away because of the distance between the two of you.



Dr. Seuss Inspired Oobleck Science



Oobleck Supplies:

Book: Bartholomew and the Oobleck by Dr. Seuss

1 Cup of cornstarch

1-1.5 Cups of water

Food coloring (optional)

Small plastic objects (optional)

Set Up/Process:

Start by adding the cornstarch to the bowl. I always recommend having extra cornstarch on hand for experimentation with ratios of cornstarch to water or if the kids accidentally add too much water.

Oobleck is very forgiving! You will just end up with a larger amount in the end!

You can easily add food coloring to the water first. Remember for a bold color, you will need extra food coloring.

Next you want to add the water and get ready to mix. This can be messy and hands may be easier than a spoon. Start with 1 cup of water first and then add more water as needed.

If you add too much cornstarch, go ahead and add back in some water and vice versa. I highly suggest making small changes at a time. A little can go a long way once you start incorporating it into the mixture.

Your oobleck should be neither soupy and runny or too stiff and dry!



Dr. Seuss Inspired Oobleck Science



Oobleck Science Information:

Oobleck is a fun substance made from a mixture of cornstarch and water. It's a bit messy too!

A mixture is a material made up of two or more substances to form a new material which is our oobleck! Kids can also explore liquids and solids which are states of matter.

Here you are combining a liquid and a solid, but the mixture doesn't become one or the other. Hmmm...

What do the kids think?

A solid has its own shape whereas a liquid will take the shape of the container it is put into. Oobleck is a bit of both!

That's why oobleck is called a non-Newtonian fluid.

A non-Newtonian fluid is neither a liquid nor a solid but a bit of both! You can pick up a clump of the substance like a solid and then watch it ooze back into the bowl like a liquid.

Make sure to try this! You can form it into a ball even!

Touch the surface of the oobleck in the bowl lightly. It will feel firm and solid. If you apply more pressure, your fingers will sink into it like a liquid.

Oobleck is so fascinating for such a simple and inexpensive science activity.

