

May Dose of Discovery: Week 1

Extension Activity: *Oobleck Goo!*

Learning Points:

- Children will have the opportunity to explore on a deeper level, as well as apply in a fun way what they learned about the different states of matter.
- Children will be able to experience, in a very sensory rich way, a non-Newtonian fluid.

Materials:

- 2 cups cornstarch
- 1 very big bowl; 1 plate
- food coloring of your choice
- water
- random objects – paperclip, coin, etc.



Activity:

Step 1:

Pour the cornstarch into the big bowl.

Mix 4 drops of the food coloring into 1 cup of water and pour it into the bowl.

Mix the ingredients together with your hands until they are well blended.

Step 2:

Play around with the Oobleck goo and answer the following questions:

- *How does the goo you have made feel in your hands?*
- *Scoop up a handful of the goo. Does it stay in your hand or dribble through your fingers?*
- *Make a ball by rolling the goo between your hands. Try rolling it quickly, then slowly.*
- *Try punching the goo with your hand. Does it feel hard or soft?*
- *Try to stir the goo quickly with a wooden spoon. What happens?*



Step 3:

Now we can make slime by adding 1 more cup of water to the goo we already made. Try stirring and rolling it now.

What happens?

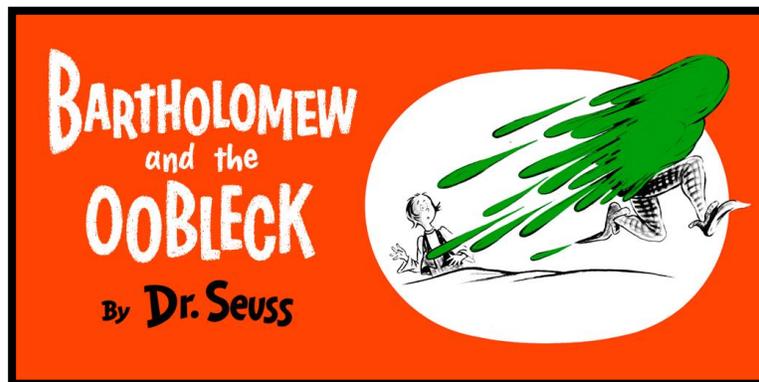
When more water is added, the goo turns into a slimy liquid and loses its special nature... You can stir it, but you can't roll it into a ball anymore.

Step 4:

Pour a thin layer of slime onto a plate. Gently press some random objects into it. Leave the slime to dry overnight. Then, lift out the objects.

The water in the slime slowly evaporates – it turns into a gas and floats away in the air. Only the dry cornstarch and food coloring are left behind. If you leave objects in slime while it dries, you will get imprints of their shapes!

What is left behind?



Oobleck goo gets its name from the Dr. Seuss book *Bartholomew and the Oobleck* where a goey green substance, Oobleck, fell from the sky and wreaked havoc in the kingdom. Check out the book for yourselves for some added fun!

Adapted activities from *365 Science Activities* by Usborne Activities pg. 49: *Make Some Goo, Slime, and Dry Slime!*
Info gathered from *Oobleck: the Dr. Seuss Science Experiment* by Fungus Amungus: <https://www.instructables.com/id/Oobleck/>

