



STEM 6-8 Tues. July 23 2-3PM

Rainbow Science Colorful Oobleck

Location: Children's Reading Room

Materials: Cornstarch (4 Reg sized boxes), Food Coloring, Water, Baggies (to take home ooblecks), spoons to mix creations, Bowls to create ooblecks in, glitter optional

Set Up/structure: Give each participant a bowl and a spoon and a large scoop of cornstarch. Add $\frac{1}{4}$ to a $\frac{1}{2}$ scoop (whatever you used for the cornstarch) water to the cornstarch. Add small amounts of cornstarch or water as needed to obtain desirable consistency. Have children mix up their creation base until it is a thick but manipulatable consistency. Once base is created child can add a few drops of whatever color(s) they like and fold in the colors and/or glitter.

Science Concept: Color Manipulation & Solid & Liquid State Fluidity

Talking Points:

1. Try to push down on the oobleck –what does it feel like?
2. Try to pick up the oobleck –what happens?
3. Is it a liquid or a solid and why? (You're all right! 😊)
4. What happened when you added your colors? Did they blend in well?
5. What happens when you try to hold it in your hand? (Hint: Do this over the bowl.)
6. What happens when you handle it briskly back and forth?
7. Can you keep it a solid?



Wrapping up:

1. Have attendees put their ooblecks in the baggies if they want to bring it home.
2. For those bringing them home, let them know that if the oobleck dries out it will become something like chalk but crumbly.

