



Simple Science



Let's explore colloids



Materials needed: cornstarch, water, bowl, and spoon

Science: Water is a **liquid** and can move and flow and take the shape of its container. An apple is a **solid** that does not move or flow or take the shape of its container. A **Colloid** feels like a solid under pressure when you squeeze it into a ball; but acts like a liquid because it can flow when pressure is released.

- Directions:**
1. Pour one cup of water into a bowl.
 2. Pour one cup of cornstarch into the bowl and mix with spoon.
 3. It should be the consistency that when a spoon is smacked on the surface there is no splash. There really is no way to mess this up, just keep experimenting with adding water and cornstarch.
 4. **Pour out onto a table or countertop and PLAY!!** See when it feels most like a **solid** (punch and pound it) or when it feels most like a **liquid** (runs through your fingers).

???Questions to Ponder???

What happens if you squeeze it in your hand?

What happens if you drop a small toy into the colloid?

What happens when you dip your fist into it?

What happens if you let it sit overnight?

This is great for playing outdoors on a table and just spraying with the hose to wash. If using inside please **Do Not Put Down the Drain**, just wipe up and throw into the trash can.