

Sticky Water

Description:

Teach your kids about three forces - gravity, adhesion, and cohesion. Water molecules are attracted to each other. This is called cohesion. Water molecules are also attracted to other molecules, like the ones in the string. This is called adhesion. The force of gravity pulls the water down, and the water "sticks" to the string when you pour because of adhesion and cohesion.

Ingredients:



- Pitcher of water
- Food coloring
- Spoon
- Cup
- Cotton string, Scissors
- Tray
- Paper towel

Directions:

Add 2-4 drops of food coloring to the pitcher of water and stir. Cut a string about 60cm (2') long. Soak the string in the colored water. Working over the tray, press one end of the string against the inside of the pitcher's spout. Press the other end against the inside of the cup. Make sure you pull the string so it is tight. Place the pitcher higher than the cup, and pour. Try to get the water to pour along the string into the cup.

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National Standards for Science

Grades 5-8 Standard B - Gravity, adhesion, and cohesion are all forces. This can be used when speaking about motions and forces in physical science.