

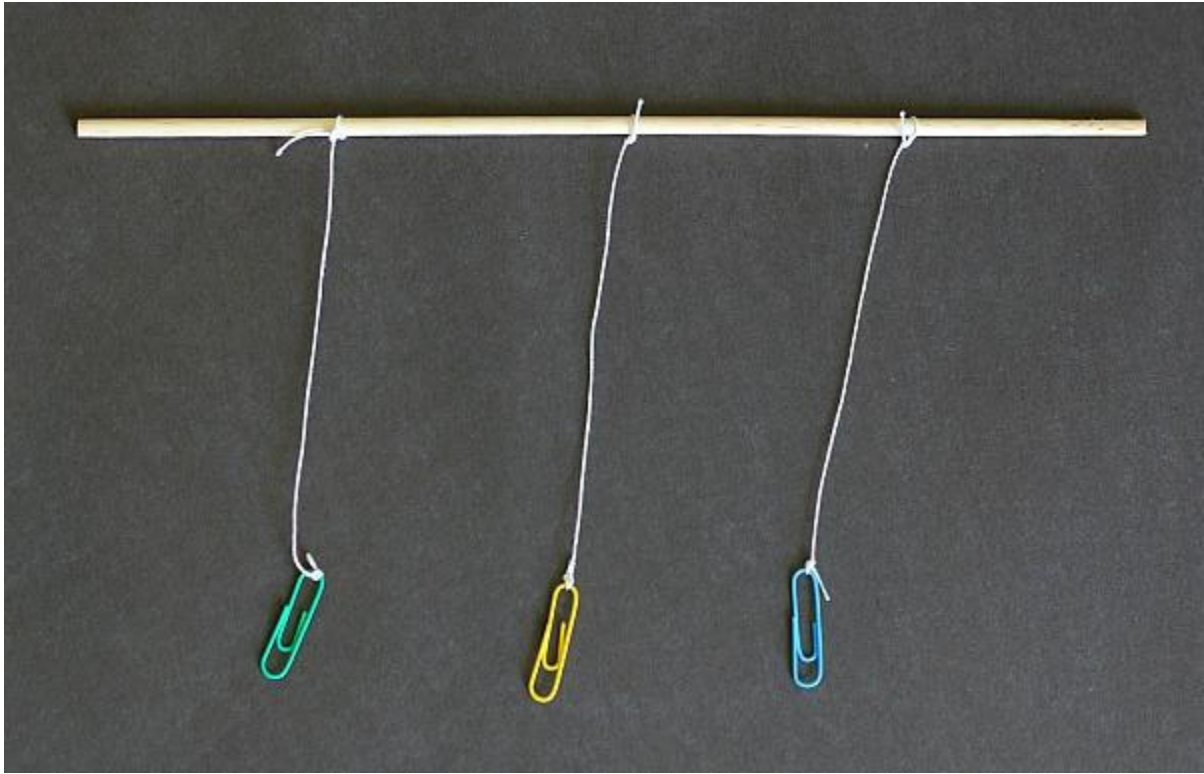


EXPERIMENT ON GRAVITY

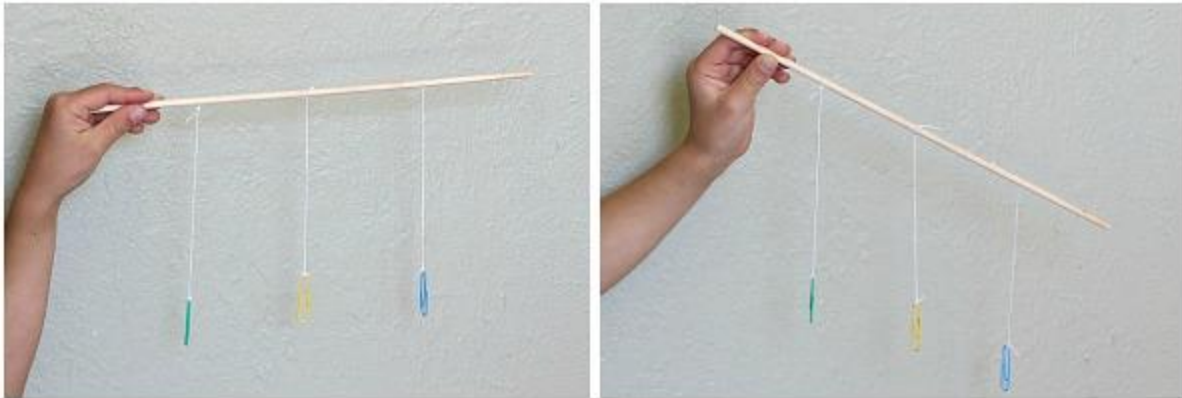
1. **Introduction.** Gravity is the force of attraction that exists between two objects. The force with which the earth attracts the objects towards itself is also called gravity. This experiment will help our children to appreciate and identify how gravity pulls objects towards itself and critically analyze how gravity exists in day to day life.
2. **Objective.** To give the children an opportunity to understand and explore the concept of gravity and forces that can defy gravity with the help of a simple demonstration.
3. **Materials Required.** Small dowel or stick, string, paperclips, scissors.

Directions for Gravity Experiment

1. Start by tying some paperclips to pieces of string. Then tie the string onto a small dowel rod or stick.



2. Lift up the dowel rod so the paperclips hang from the string.
- Which direction do the paperclips point?
 - What happens if you tilt the stick?



Boy was amazed to observe that no matter which way he tilted the stick or how steep an angle he tilted the stick, the paperclips always pointed right down at the ground!



We talked about how the Earth's gravity is what holds us and other things to the ground. The paperclips are being pulled toward the Earth by gravity, but they can't fall because the string is holding them in the air. No matter which way we tilted the dowel rod, the paperclips were still being pulled straight toward the Earth by gravity

4. **Parental Involvement.**

Dear Parents, we request you to repeat this activity at home to reinforce the concept of gravity and to inspire our kids creativity and critical thinking.