

Defy Gravity

This simple science activity aims at introducing kids to the concept of gravity. In the end of the activity, kids can also be motivated to wonder if gravity can indeed be defied.

You will need –

- Glass
- Water
- A cardboard square

Directions –

- Pour water into the glass till its brim.
- Place the cardboard cover carefully over the mouth of the glass.
- Make sure there aren't any air bubbles forming.
- Take the glass near a sink and turn the glass upside down.
- Remove your hand from under the cardboard.
- Did the cardboard give away? Quite amazingly, it will stick to the glass!

Why did it happen? –

Since there is no air inside the glass, the air pressure outside the glass is greater than the water pressure inside the glass. The extra air pressure holds the cardboard in its place and defies gravity. Interesting, isn't it!

