

Whitney Water Center Learning from Home

Episode 20: Upside-down Container

Introduction

Ready for some science that feels more like magic? Gravity is a very predictable force that pulls everything towards the earth, but the power of water can temporarily overcome gravity and produce a surprising result. *Surface tension*, water molecules being pulled inward towards each other, and *adhesion*, water sticking to other things, work together to overcome gravity and help a piece of paper hold water in a container. It may take a few tries to make this experiment work, but don't give up, practice makes perfect!

Experiment 1: Upside-down Container

Materials

- Small container
- Water
- Index card or piece of thicker paper
- Bowl or plastic container to catch spills (or use the sink)

Link to video

Facebook: <https://www.facebook.com/324041427754736/videos/2676544386005340/>

YouTube: https://www.youtube.com/watch?v=NdLLOsbfobM&feature=emb_logo