Whitney Water Center Learning from Home

Episode 12: Chromatography Art

Introduction

We learned about *chromatography*, when water is used to separate color chemicals or substances, in episode 8. Today, we are going to use the principles of chromatography to create an art project.

Experiment 1: Chromatography Garden

Materials

- Coffee filters
- Scissors
- Water-based markers
- Water
- Sponge
- Small plastic plates
- Drawing paper
- Stapler, glue, or tape

Link to video

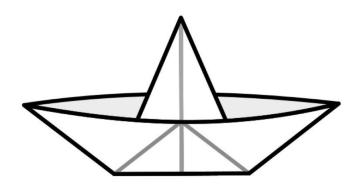
- Facebook: https://www.facebook.com/324041427754736/videos/230785867984618/
- YouTube: https://www.youtube.com/watch?v=84e1L1rNNi8



Estimating Buoyancy

- 1. Create a boat from a piece of foil.
- 2. Estimate how many marbles (or other like objects) your boat can hold and stay afloat. Record your estimate on the table below.
- 3. Add marbles one at a time until the boat sinks.
- 4. Record your results on the table.
- 5. Redesign your boat and repeat the experiment!

Draw your Boat	Estimated number of marbles	Actual number of marbles





Regional Water Authority Tapping the Possibilities"