

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

