

## **Lesson Plan**

**Title:** The Magic of Water Filtration

**Supplies:** Soda Bottle, Activated Charcoal, Small Pebbles, Large Pebbles, Sand, Cotton Balls, Duct Tape

**Procedure:**

1. Acquire a Soda Bottle and cut the bottom of said soda bottle
2. Tape the edges of the bottle to avoid cuts
3. Gather materials
4. Order the materials in order of mass, least to most (Cotton balls, Activated Charcoal, Sand, small pebbles, large pebbles)
5. Acquire a cup of water (clean/dirty, either is fine)
6. Pour water through the homemade filter and watch it filter through all the layers

**Questions for Students-Interactive Portion:** Asked questions to students about the water filtration picture, and had the students draw the homemade water filtration system from memory and describe each step.

**Tips and Tricks:** HOLD ON TO THE BOTTLE, Be Patient with the students, bring extra pencils for the drawing portion

**Things to Avoid:** Getting angry at the kids