

Science Experiment Teacher Instructions

Mixture Materials	Tools
Water Sand Plastic counters Paper clips Salt Clear plastic tub	Magnet Coffee Filter Cup Glass Jar Rubber Band Aluminum Foil

This experiment could be done in small groups by the students or up at the front of the classroom as a demonstration

Step 1: Combine the water, sand, plastic counters, paperclips, and salt into the plastic tub and mix them together.

Step 2: Allow the students to brainstorm ways to separate the materials in the tub using only the tools provided.

Step 3: Students may decide to use their hands to remove several objects. Allow them to investigate with the tools. After removing several objects, use the jar and coffee filter to strain the rest of the mixture. Place the coffee filter over the jar and secure it with a rubber band. Pour the mixture onto the coffee filter slowly.

Step 4: Remove the coffee filter from the top of the jar and set the jar in the sun. Check back in a few days. For faster results pour some of the liquid in the jar onto tin foil and set it in the sun.