

FANT 4STIC

SCIENCE CARDS



HYDROKINESIS

FANT 4STIC

HARNESS THE POWER OF ELECTRICITY TO BEND WATER TO YOUR WILL! THIS SIMPLE EXPERIMENT IS PERFECT FOR ALL AGES.

EQUIPMENT:

- Water faucet
- Plastic comb

DIRECTIONS:

1. Turn on water faucet to a low stream.
2. Power up comb by running it through hair twenty times.
3. Slowly bring comb close to the flowing water.
4. Stream of water will bend toward comb. You have mastered the art of Hydrokinesis.

SUBAQUEOUS VORTEX

FANT 4STIC

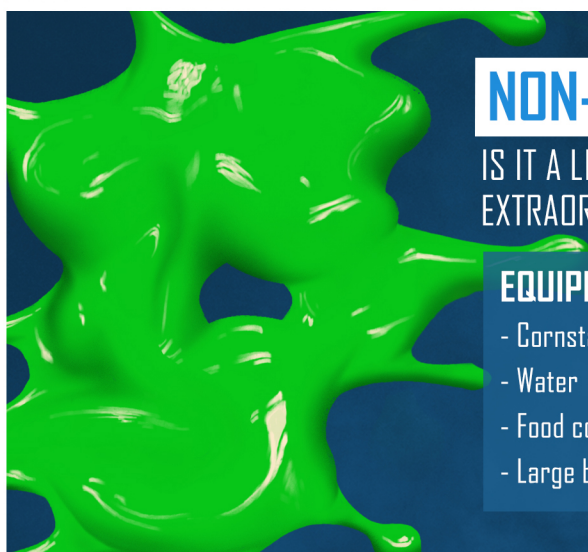
UNLEASH A TORNADO INSIDE A JAR! TAKE THIS PROJECT TO THE NEXT DIMENSION BY ADDING GLITTER OR TIN FOIL TO YOUR CREATION.

EQUIPMENT:

- Mason jar
- Water
- Dish soap

DIRECTIONS:

1. Fill jar with water.
2. Add glitter or tin foil (optional).
3. Add 2 drops dish soap.
4. Shake jar with a swirling motion.
5. Observe.



NON-NEWTONIAN FLUID

FANT 4STIC

IS IT A LIQUID? IS IT A SOLID? MR. FANTASTIC'S GOT NOTHING ON THIS EXTRAORDINARY STRETCHABLE SUBSTANCE.

EQUIPMENT:

- Cornstarch
- Water
- Food coloring
- Large bowl

DIRECTIONS:

1. Mix cornstarch and water in a bowl.
2. Add food coloring as desired.
3. Have fun!

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ELECTROMAGNETIC NAVIGATION DEVICE

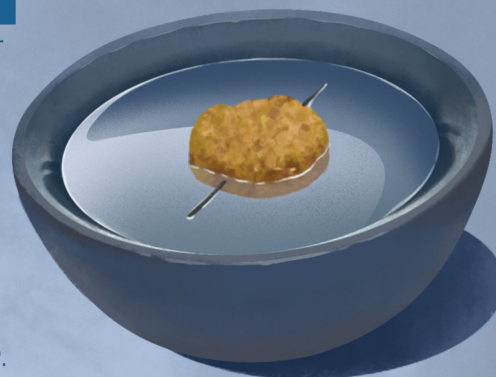
WHETHER YOU'RE EVADING THE MILITARY OR LOST ON PLANET ZERO, EVERY SCIENTIST SHOULD BE ABLE TO FIND TRUE NORTH WITH THIS SIMPLE NAVIGATION DEVICE.

EQUIPMENT:

- Metal sewing needle
- Magnet
- Pliers
- Cork
- Scissors

DIRECTIONS:

1. Rub needle against magnet at least five times (twelve if using a weaker magnet).
2. Using scissors, cut bottom of cork to create a cork disk.
3. Fill bowl with water.
4. Push needle through cork disk lengthwise, place in water.
5. The floating needle will point to magnetic north!



FANT 4STIC

CARBON DIOXIDE CONTAINMENT PROCEDURE

POWER UP A BALLOON WITH SIMPLE CHEMISTRY (AND PLENTY OF CARBON DIOXIDE) IN THIS CLASSIC EXPERIMENT FOR ALL AGES!

EQUIPMENT:

- Empty water bottle
- Balloon
- Baking soda
- Vinegar
- Funnel

DIRECTIONS:

1. Pour baking soda into balloon (use a funnel if necessary).
2. Pour vinegar into water bottle.
3. Attach balloon base to water bottle mouth, raise balloon so baking soda drops into bottle.
4. Baking Soda and Vinegar will react, causing the balloon to fill with Carbon Dioxide!



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