

STEAM PARTY!

Floating Water Experiment



Materials Needed:

- A clear glass or a plastic cup
- Water
- Paper card (index or post card)



Steps:

1) Fill the glass almost full with water.



2) Place the paper card on top of the glass making sure it cover the surface of the glass rim.

3) Hold your hand on top of the paper and quickly turn the glass upside down while holding the paper.

4) Slowly remove your hand from the paper....



5) Voila! Your glass is upside down – full of water!

Keep a bowl or tray underneath to catch any spills!

After a while, the paper may saturate and fall off letting the water **spill out** of the glass.

SCIENCE FACT!

When the glass is turned upside down, the air pressure pushes up on the paper from underneath, whereas the water pressure pushes down on the paper from above inside the glass. Both forces apply pressure on the paper equally, not allowing the water to escape from the glass. At some point the paper may saturate with the water and fall off - letting all the water out.