1. When items are lighter than water, like balloons or basketballs, they float. The force that allows items to float on water is called buoyancy. Our device uses buoyancy force to pull the buoy up and unwind the string on the spool.

2. When you move a magnet through a loop of wire, the magnet makes things move in the wire. This causes the tiny electrons to move like carts in a train! This movement makes lights turn on, and your phones turn on. This is what's happening inside of the box, making our lights turn on!

3. Electrical components and water don't mix well! This waterproof enclosure keeps everything safe.

For meme potential, watch our video: https://youtu.be/-lxW2L2rhcM