

## IMAGINE YOUR STORY

## Kings and Queens King Arthur's Sword: A Density and Buoyancy Science Experiment

## Materials:

- 1. 2 balls of clay, the same size and weight
- 2. Large bowl
- 3. Water
- 4. King or Queen costume (optional)

## Instructions:

- 1. Fill the large bowl with water about ¾ of the way full.
- 2. Take one of the balls of clay and lower it into the bowl. (It will sink to the bottom.)
- 3. Take the second ball of clay and shape it into a flat sword. Hollow out the middle slightly like a canoe. Lower it into the water. (it will float.)





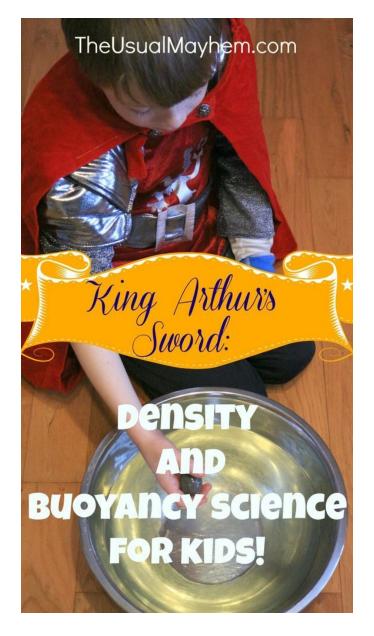


Photo courtesy of https://www.theusualmayhem.com/2016/01/buoyancy-and-density-science-for-kids-king-arthurs-sword/