

**Buoyancy and Battleships – How Boats Float**  
Math/Science/History  
(OP, DL, OB)

**Class description:** Students will learn about the physical principals involved in keeping a 45,000 ton battleship afloat. Buoyancy, equilibrium, and drag will all be explained through hands-on activities that will have all age groups entertained and engaged. They will analyze why a steel ship doesn't sink and how submarines dive and return to the surface. Although math is the focus of this lesson, historical moments in the *New Jersey's* past come to life, such as passing through a typhoon in the Pacific during WWII.