

Aluminum Boat Challenge

Group Members: Alvin and Erin(myself)

Problem Statement: Construct a “boat” out of a 5inchx5inch piece of aluminum foil that is able to float in water and hold weight(pennies)

Approach: Alvin and I decided to fold ours into a upside down pyramid type boat. We made the bottom flat to be able to disperse the weight of the pennies better.

Solution: A boat with a large surface area and steep walls was the winning design

Lessons Learned: Increase surface area