Date: 8/14/16

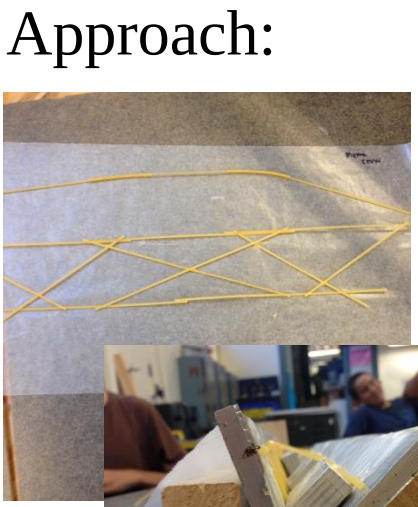
Wednesday Challenge Form

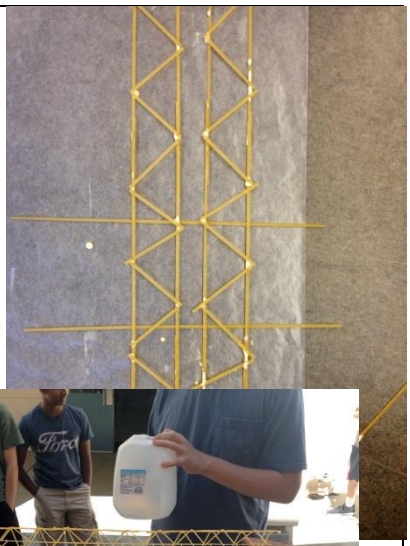
Group Members: Garen, Will, Keilah, Me

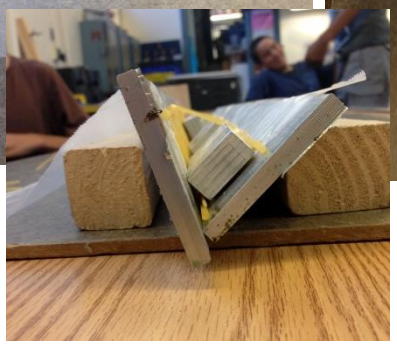
Problem Statement:

Design a bridge made of spaghetti and wood glue. The goal is to make the highest efficiency bridge. Efficiency is defined as the ration of the supported bridge weight to the mass of the bridge. The supported weight will be provided by water. The span distance will be at least 24". Each group will be provided 120 pieces of spaghetti, however only 20 can be used in the final bridge. In addition, the bridge must accommodate the weight attachment hardware provided by Dr. Neat. Refer to the JPL Invention Challenge Bridge Challenge for reference. Duration was 2.5 weeks.

Approach:







8.2

Solution: 12.5666667

Lessons Learned:

making more test models leads to better scores and it is very important to use your time wisely.