Date:

# Wednesday Challenge Form

## Group Members: Max, Aren, Edgar, and Micheal

## Problem Statement: Design a bridge made of spaghetti and wood glue. Goal is to make the highest efficiency bridge. Efficiency is defined as the ratio of the supported bride weight to the mass of the bridge. The supported weight will be provided by water. The span distance will be 24". Each group will be provided with 120 pieces of spaghetti, however only 20 can be used in the final design. In addition, the bridge must accommodate the weight attachment hardware provided by me. Refer to the JPL invention Challenge Bridge Challenge for reference

## Approach: Our group smeared glue all over our hands and let the glue partially dry and we peeled it off. We would peel off the fingers first because they dried the fastest and if it dried too much, it wouldn't be usable. After peeling the glue off of our fingers, we would have a small ball of wood glue that felt and acted like silly putty. The next step was to go to the palms and use to ball to get the rest of the glue off and rolling it around in our hands to catch any putty we missed. Then we wrapped the sticks in the putty

## Solution: The glue didn't dry in time for the Competition and we lost

## Lessons Learned: Plan ahead of time when Doing something so it's done before the deadline