

Date:

Wednesday Challenge Form

Group Members: Elisabeth, Mason, Demitri

Problem Statement:

Make a bridge with 20 spaghetti that will hold up a payload. The winner has the highest ratio between payload and bridge mass.

Approach:

We started by concepting bridge ideas with a piece of paper. When we had to solid ideas a stick and a triangle prism we built them and tested them we continued this process and ended up making a triangle prism. Here are our test scores.

1st Stick	25g	272g	10.88	
1st prism	22	160	7.2727	
Second stick	22	0	0	
Final bridge	25	181	7.24	

Solution:

Lessons Learned:

We learned that the prisms are more effective than the sticks