

CALIFORNIA SCIENCE & ENGINEERING FAIR 2018 PROJECT SUMMARY

Name(s)	Project Number
Linea N. Vizenor	
	38381
Project Title	6
Strength in Numbers	
Abstract	
Objectives/Goals Abstract	
My project consists of figuring out if there really is strength in numbers, an materials used in construction of bridges and structures.	it how it relates to the types of
Methods/Materials	
I used a certain amount of strands of spaghetti in a bundle for each of the financial attached to a bucket and placed it in the center of the spaghetti beam. I pla	ree suchs. I used a hook
spaghetti bundle broke. The bucket, coins, and hook vere weighed and e	corded. After the testing, I did
my calculations for the average weight needed to break the spagnetti beam ratio.	and the strength to weight
Results	
needed to break the spaghetti strands doubled too. In pher words, the same	e average amount of weight e relative weight broke the
spaghetti beams regardless of whether it was fifty strands or one hundred b	because spaghetti is a brittle
Conclusions/Discussion	
In conclusion, it did not matter how many strands of spaghetti were used. It took a similar amount of	
bundle of spaghetti or a large bundle.	
Summory Statement	
My project is about how important material selection is when building structures.	
Help Received	
I used the website Science Buddies for guidance on my project. I also had guidance from my parents and science teacher	