



**CALIFORNIA STATE SCIENCE FAIR
2013 PROJECT SUMMARY**

Name(s) Lucas G. Wong	Project Number S0328
Project Title The Effect of Bridge Design on the Amount of Weight that can be Sustained	
Abstract Objectives/Goals The objective is to see which design out of the 3 truss designs of 30-60-90 triangles, right isosceles triangles or equilateral triangles sustain a larger weight load. Methods/Materials The objective is to see which design out of the 3 truss designs of 30-60-90 triangles, right isosceles triangles or equilateral triangles sustain a larger weight load. Results Out of the three designs, the equilateral truss bridge ended up sustaining the most weight, holding an average of 114.08 pounds. The second best design was the 30-60-90 truss bridge which sustained an average of 74.94 pounds. Lastly the right isosceles truss bridge sustained the least weight, holding an average of 46.81 pounds. Conclusions/Discussion In conclusion my hypothesis was supported. My initial logic of "equally" distributing the weight with equal angle measures proved to have a role in this experiment.	
Summary Statement My project is about the effect of different bridge designs on the amount of weight that can be sustained	
Help Received None	