



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Maxwell M. Mileck	Project Number J1812
Project Title Truss Bridge's Arch Enemy	
Abstract Objectives/Goals To discover which bridge has the structural strength to withstand more weight, the arch or the truss. Methods/Materials I constructed the two bridges using paper and glue. I made two bridges of equal length. I applied sand as a weight in 150-gram increments. I added weight until the bridges collapsed. I then repaired the bridges and retested them. Results The truss bridge held much more weight than the arch bridge. Conclusions/Discussion To span gaps I would use the truss bridge, not the arch bridge, because it is stronger.	
Summary Statement Testing the strength of arch and truss bridges.	
Help Received Parents helped organize project.	