



**CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY**

Name(s) Margaret A. Mendez	Project Number J1411
Project Title Elevator Modification in Virtual Reality with the Use of Logic Gates and Adders	
Objectives/Goals My objective was to create a Minecraft mod that creates an instant elevator with the help of logic gates and adders. Methods/Materials Materials: PC; Full Version of Minecraft; Binary; Logic Gates; Adders. Methods: I used the engineering process. I also used methods such as systems integration, trial and error, and build and test. Results I successfully created a compact elevator that is perfect for modding. Conclusions/Discussion Because of my project I have more knowledge on computers than I thought I would receive. I found that logic gates and adders can be used in real life to create switches, and build the components of all electronics. Next year I plan to learn the modification process so that I can create the actual mod.	
Summary Statement I successfully created a compact elevator in Minecraft with logic gates and adders that will soon be coded into a modification program.	
Help Received Mentor: George Morgan; Support: Mom and Dad	