



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Bradley M. Rogers	Project Number J0333
Project Title Free Choice vs. Random Numbers	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The reason I chose this project was to see if there were any similarities between random number generation and free choice. My experiment is related to mathematics and human behavior. I also chose it because I was interested in learning how a random number generator works and how they are used.</p> <p>Methods/Materials 1. A random number generator. 2. Piece of paper with the number One through Four clearly written on it. 3. Note book to record results of tests. I made a sheet that had four colors; blue, orange, yellow, and green. Then I had to make a column to write which number the subject chose and color that was chosen out of the random number generator. Then I tested one hundred people.</p> <p>Results The outcome of my experiment is that there really is not a similarity between random generation and free choice. You can see in my graphs that people favor the number three and dislike the number one.</p> <p>Conclusions/Discussion The only major conclusion in my experiments that one out of a sample of one hundred people, there favorite number is three and really no one chose the number one. For further study if I were to do this again I would use more test Subjects. If I used one thousand subjects it would be perfect since my random number generator did not come out perfect.</p>	
Summary Statement Free choice and random numbers.	
Help Received my mother for helping me with typing my report . and my father for helping me build the number generator.	