



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Elizabeth Garcia	Project Number S0309
Project Title Remember This!	
Abstract Objectives/Goals My objective for doing this project was to prove there is no difference in the short-term memory between the males and females. My goal for this project was to find statistical data to prove that it is correct to say there is no difference between the short-term memory of males and the females.] Methods/Materials The way I went about doing this was by formulating a test that would allow me to observe is there was any difference in the results between the males and the females. I randomly chose ten letters (k, y, a, f, m, x, g, b, l, q,) and placed them in this random order typed on a sheet of paper. I then went around tested 200 individuals (100 males, 100 females) attending high school (ages 14-18) and showed them the sequence for ten seconds and then recorded the amount of letters remembered. I then went on to expand my project with a second test using a color sequence (red, yellow, purple, orange, blue, brown and green) in place of the letters sequence. Then I repeated the rest of the steps from the first test. Again testing 200 random individuals (100 male, 100 female).Then I observed and analyzed my data. Results After I analyzed my data I formulated my means. For the females a got 8.48 and for the males I got 8.32.I also calculated the standard deviatuion of my results. For the females it was 0.54 for the males it was 0.32. Conclusions/Discussion My hypothesis was correct. My data proves there is no difference in the short-term memory between the males and the females. I would have to increase my sample size a great deal to reduce the chance of variation even more. Then perhaps I may find a tiny difference. This likely would still turn out to be insignificant.	
Summary Statement My project poves there is no significant difference in the short-term memory between males and females.	
Help Received	