



**CALIFORNIA STATE SCIENCE FAIR
2012 PROJECT SUMMARY**

Name(s) Chau Dang	Project Number J0712
Project Title Optical Flare	
Abstract Objectives/Goals This project is based on genders, boys and girls. The main idea of this project is understanding more about how body works and the difference between girls and boys in learning. I will get to learn which gender has between visual memory and how eyes and brain work together. The background of this project will base on the information I get from the Internet. After that, I will state my hypothesis ans start doing my testing experience. From this project, I will learn how to create my own materials which is the two changed-picture (GIF) for the testing. My goal is to learn more about girls and boys and their ways to learn subject.	
Methods/Materials 1.Internet Connection 2.Computer 3.PhotoScape software 3.5 4.Two pictures with one difference from Google 5.Two black pictures 6.Timer 7.Notebook 8.100 students volunteer; 50 girls and 50 boys 9.Testing areas	
Results In this experience, I was trying to find the average of which gender has better visual memory. My independent variable was genders. My dependent variable was the number of the student that could find the difference in 45 seconds. I compared the number of the make and female students that were and were not able to recognize the difference between the two pictures over a period of 45 seconds. Out of 50 males tested, 10 of them recognized the difference, and 40 did not. Out of 50 females tested, 15 recognized the difference while 35 did not. In total, out of 100 students I tested on, only 25 of them could find the difference.	
Conclusions/Discussion After I finished the testing experience for my science fair project, I've learned that girls have better visual memory than boys. Also, most of the student didn't find the difference between the pictures in 45 seconds. This also stated my hypothesis was right from the start. Boys are more likely to handle a physical object, while girls are more likely to use visual exploration.	
Summary Statement Girls have better visual memory than boys because they are more likely to use visual exploration, looking carefully at a novel object without actually touching it while boys are more likely to handle a new physically object.	
Help Received Teachers helped answer the questions; Parents helped buying materials for the board; Friends gave support and volunteered for the testing experiment.	