



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Jarrold R. Goldberg	Project Number 22024
Project Title Do Color and Font Affect Reading Speed and Accuracy?	
Abstract Objectives/Goals To see if color and font affect the reading speed and accuracy of sixth and seventh grade students. Methods/Materials one quoted paragraph from a book in the students' reading level (average), printed 4 times : in Times New Roman font on a white sheet of paper and also on a red sheet of paper; and in Monotype Corsiva font on a white sheet of paper and also a red sheet of paper. Timer, student questionnaire to record student reading times, mistakes made, and the specified color and font of paragraph. 105 Student subjects. Pencil, computer. Methods: Gathering students one at a time, asking each one to read ONE PARAGRAPH in either FONT OR PAPER COLOR. Time student's reading time. Count mistakes. Record all data in spreadsheet on computer. Results Experimenter found that color and font do affect reading speed and accuracy, especially in females. He found that with the males, results were closely related while with the females the results were spread around. Statistical analysis was performed using student T tests. Experimenter found statistical confirmation that females do in fact notice the difference of fonts. Found that Monotype Corsiva took longer for students to read and made more frequent mistakes. Conclusions/Discussion Experimenter found his hypothesis partially correct: the experimenter originally stated in his hypothesis that the red paper would result in the students' faster reading times and less frequent mistakes, based on background research. He also stated that the Monotype Corsiva font would result in more mistakes and slower reading speeds. Conclusion: Monotype Corsiva font did in fact result in slower reading speeds and more frequent mistakes, but found that the red paper resulted in slower reading speeds.	
Summary Statement To test whether or not color and font (type) affect the way sixth and seventh graders read, regarding their mistakes made and also their time.	
Help Received Advised by teacher throughout, college student helped do statistical analysis, optometrist helped with some background research	