



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Heather L. Williams	Project Number J1027
Project Title Are You Cross-Dominant, or Not?	
Abstract Objectives/Goals The objective is to determine whether the majority of 12-13 year olds have cross-dominance between their dominant hand and eye, and whether males or females are more commonly cross-dominant. Methods/Materials I tested 50 human subjects in the same order of procedure. Each one would come in, write their name on a sheet of paper, and look through a kaleidoscope. I observed and recorded their sex, dominant hand, and dominant eye. If they had used the hand and eye on the same side, they were not cross-dominant. If the dominant hand and eye were on opposite sides, they were cross-dominant. Results Out of the 50 subjects, 15(30%) were cross-dominant and 35(70%) were not. Out of the 15 cross-dominant subjects, 6 were male and 9 were female. Conclusions/Discussion In the beginning, I hypothesized that most people would have hand/eye dominance on the same side of the body. I was correct in that manner, but not about boys being more cross-dominant than girls, as the majority of the cross-dominant subjects were female.	
Summary Statement My project is based on the correlation of hand/eye dominance.	
Help Received My family helped me narrow down to a specific question out of a list I created researching dominance of the eye.	