



**CALIFORNIA STATE SCIENCE FAIR
2004 PROJECT SUMMARY**

Name(s) Seth B. Dunn	Project Number J0310
Project Title The Effects of Color on Human Depth Perception	
Abstract Objectives/Goals The objective of my project was to see if color can effect how far you can see. Methods/Materials 150 subjects were taken from a middle school (ages 12-14), and taken outside to see if they could see a colored whiteboard marker against a colored shirt. Results 4/5 saw yellow against a black background at 200 feet away, averaging 197.5 feet viewing distance. Very few people could see black against black from far away. Conclusions/Discussion My results were an exact reflection of my hypothesis, as in they were the same. I found that certain colors can be seen farther or closer against backgrounds, and that while using colors, certain ones are better against certain backgrounds.	
Summary Statement My project shows that different colors can be seen better and worse against different background colors.	
Help Received Some subjects helped measure distance to markers.	