



**CALIFORNIA STATE SCIENCE FAIR
2011 PROJECT SUMMARY**

Name(s) Spencer E. McVeigh	Project Number J1209
Project Title From the Corner of the Eye...	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals To determine which colors a human's dominant and non-dominant eye distinguish the soonest through peripheral vision.</p> <p>Methods/Materials 4 cm by 21.4 cm sheet of red paper 4 cm by 21.5 cm sheet of light red paper 4 cm by 21.5 cm sheet of blue paper 4 cm by 21.5 cm sheet of light blue paper 4 cm by 21.5 cm sheet of black paper 4 cm by 21.5 cm sheet of white paper 60 cm by 90 cm black foam board</p> <p>Results For red, 15 subjects chose it the soonest using their dominant eye, and 14 subjects chose it the soonest using their non-dominant eye. For pink, 7 subjects chose it the soonest on their dominant eye, and 11 subjects chose it the soonest on their non-dominant eye. For blue, 31 subjects chose it the soonest on their dominant eye, and 25 subjects chose it the soonest on their non-dominant eye. For light blue, 13 subjects chose it the soonest on their dominant eye, and 16 subjects chose it the soonest on their non-dominant eye. For black, 14 subjects chose it the soonest on their dominant eye, and 13 subjects chose it the soonest on their non-dominant eye. For white, 26 subjects chose it the soonest on their dominant eye, and 27 subjects chose it the soonest on their non-dominant eye.</p> <p>Conclusions/Discussion The hypothesis of this experiment was that a human's dominant eye will see a brighter color the soonest and a human's non-dominant eye will see a darker color the soonest while using peripheral vision. The purpose of this was to determine which colors the dominant and non-dominant eye distinguishes the best with peripheral vision. The color that was overall seen the most with the dominant eye was blue, a total of 31 subjects. The color that was overall seen the least with the dominant eye was pink, a total of only 7 subjects. The color that was overall seen the most with the non-dominant eye was white, a total of 27 subjects. The color that was overall seen the least with the non-dominant eye was also pink, a total of only 11 subjects. The hypothesis was proven to be incorrect. A human's dominant eye did not distinguish a brighter color the soonest; it saw blue the soonest, which is a darker color. A human's non-dominant eye did not</p>	
Summary Statement This project is about which colors a human's dominant and non-dominant eye distinguish the soonest through peripheral vision.	
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