



**CALIFORNIA STATE SCIENCE FAIR  
2012 PROJECT SUMMARY**

<b>Name(s)</b> <b>Blake A. Wilson</b>	<b>Project Number</b> <b>J0425</b>
<b>Project Title</b> <b>Color and Blood Pressure</b>	
<p style="text-align: center;"><b>Abstract</b></p> <p><b>Objectives/Goals</b> My project was to determine if color has an effect on blood pressure. I believe that out of the six colors (blue, red, black, white, green and yellow) chosen to test; red and black would increase blood pressure. These two colors represent danger, blood and death and will have an impact on blood pressure.</p> <p><b>Methods/Materials</b> Five male participants around the same age were chosen to be tested. The participants were first brought into a room to rest for 15 minutes. After the rest period, all males had their initial blood pressure taken and recorded. Then individually, they were brought in and seated comfortably in front of a computer monitor where they stared at a specific color for a three minute period. Their blood pressure was again taken and recorded and any variation from the original was noted. The procedure was repeated until all colors had been tested.</p> <p><b>Results</b> During the testing of the six colors, there was some increase and decrease noted. However, the effects the colors had on the blood pressure did not produce the same results on all participants.</p> <p><b>Conclusions/Discussion</b> My conclusion is that the color red did impact two out of the five participants by raising their blood pressure. While the other colors tested, did not have dramatic influence on blood pressure.</p>	
<b>Summary Statement</b> My project was to determine if blood pressure could be changed by any specific color.	
<b>Help Received</b> Mother helped type out report and assemble both the display and Lab Book. Father, applied EKG electrodes to all five participants and printed out EKG strips.	