



**CALIFORNIA STATE SCIENCE FAIR  
2009 PROJECT SUMMARY**

<b>Name(s)</b> Mary Alyssa Flemming	<b>Project Number</b>  29241
<b>Project Title</b> How Does Your Brain Work? Stroop Effect vs. Warped Words	
<b>Abstract</b> <b>Objectives/Goals</b> My objective is to see if an average person, from each age group, brain is effected by either Stroop Effect or Warped Words. <b>Methods/Materials</b> The project was done using a random pick in 5 age groups, with 10 different people in each. The human subject was tested on each the Stroop Effect and Warped Words test, by naming the color of the word. Example: The word "Red" printed in green ink; the human subject would say "green". The results were raked by the age group with the fastest time and the amount mistakes. <b>Results</b> Teenagers placed first, while the seniors placed last in fastest time in both stroop effect and warped words. Young adults placed first, while seniors and 9-12 aged tied for last place for average number of mistakes in both stroop effect and warped words. <b>Conclusions/Discussion</b> During my project, I learned just because an age group gets first in least amount of mistakes doesn't mean that that same age group will get first in fastest time as well. While doing my graphs and discussion of results I discovered that the youngest and oldest age groups are the slowest with many errors, while teenager to middle aged adult minds work sharper.	
<b>Summary Statement</b> My project is comparing how 5 different age groups perform on the Stroop Effect and Warped Words test.	
<b>Help Received</b> Mom helped type and put board together; Both parents helped get people to test; Nikki Luckin was my inspiration to keep going and my proofreader.	