



**CALIFORNIA SCIENCE & ENGINEERING FAIR
2018 PROJECT SUMMARY**

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| Name(s) Nina M. Hollars | Project Number J0712 |
| Project Title Shaping Your Thoughts | |
| <p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of this study is to determine if the age of a person affects their ability to complete the Stroop Effect Tasks. Additionally, what factors can influence an individuals results.</p> <p>Methods/Materials This experiment was conducted with different age groups, both male and female,testing their ability to complete the Stroop Effect Tasks which involves colors, shapes, and words. Materials required included a stopwatch, test sheets, desk top computer, and volunteers.</p> <p>Results After completing all my research and interviews, I learned that the age of a person does indeed affect their ability and time to finish the Stroop Effect Tasks. Those over 50 years of age that were part of this experiment had a more difficult time completing the tests.</p> <p>Conclusions/Discussion In conclusion, I know that age does affect the abilities to complete the Stroop Effect Tasks. Older people, especially those over the age of 50, had much longer times completing the test. Other factors to consider on this topic include but are not limited to substance abuse, trauma to the head, colorblindness, and educational level.</p> | |
| Summary Statement Using time as a measurement, younger people complete the Stroop Effect Tasks much quicker than older people with many additional factors to consider along the way. | |
| Help Received I researched my data on-line while gathering information and performing tests on people in our community. Mrs. Heermance and Mr. Landgraph provided useful recommendations during the County Science Fair. | |