



CALIFORNIA SCIENCE & ENGINEERING FAIR 2019 PROJECT SUMMARY

Name(s) Aubrey Robinson	Project Number S0419
Project Title A Study of Connections between Synesthesia and Creativity	
<p style="text-align: center;">Abstract</p> <p>Objectives This project surveys individuals, testing for synesthesia and its potential correlations to creativity. The hypothesis was that there is a correlation between those with synesthesia and creativity, however, currently there is further testing that is being performed, and therefore a conclusion cannot yet be drawn.</p> <p>Methods Materials List 1. multiple surveys interviewing and testing individuals for synesthesia and its correlations 2. multiple individuals willing to participate in the survey 3. A computer for recording results 4. At least 30% of the individuals must have synesthesia in order to test for correlations</p> <p>Results I am currently furthering my research, however, I originally completed another study on Synesthesia, and came up with the following results:</p> <p>The original intent of my experiment was to test a potential correlation between synesthesia and musical ability. The results of my experiment showed that approximately 50% of those with synesthesia reported that they were musically inclined, compared to the 67% of nonsynesthetes that reported musical inclination. However, about 89% of synesthetes reported that they were creative people, while only 79% of those without synesthesia reported creativity. Other correlations include the following: 100% of synesthetes were allowed pain/fever reducers as children, and only 92% of nonsynesthetes were. 100% of synesthetes enjoyed the act of swinging, while again, only 92% of nonsynesthetes enjoyed the activity. 67% of synesthetes reported having experienced childhood trauma, where only 29% of nonsynesthetes reported experiencing it. 50% of synesthetes reported experiencing migraine headaches, yet only 24% of those without synesthesia reported having experienced them. 44% of those with synesthesia reported mathematical inclination, however, 58% of those without synesthesia reported that they were mathematically inclined. 28% of synesthetes reported being left-handed, while only 12% of nonsynesthetes reported being left handed. Finally, 28% of those with synesthesia liked Michael Jackson, while 44% of those without synesthesia liked him, and 11% of those without synesthesia were indifferent.</p>	
Summary Statement I contrived this study to show that those with Synesthesia are creative people.	
Help Received I received guidance from my colleague Mr. Jonathan Scharrer, who assisted with statistic representation.	