



**CALIFORNIA STATE SCIENCE FAIR
2016 PROJECT SUMMARY**

| | |
|--|------------------------------------|
| Name(s) Kris Boris | Project Number 36310 |
| Project Title Synesthesia and Creativity | |
| <p style="text-align: center;">Abstract</p> <p>Objectives/Goals The purpose of this experiment is to determine a correlation between synesthesia and creative ability.</p> <p>Methods/Materials Volunteer participants, 7 question synesthesia survey, additional 2 questions self reporting creativity, creativity test. Survey results were analyzed and creativity tests were scored using 16-point scoring rubric.</p> <p>Results Results were analyzed based on whether those who reported having synesthesia also self reported creativity and creative pursuits, as well as scored higher on the creativity test. On average, participants who reported having synesthesia also scored significantly higher on the creativity test than those who didn't. Participants who reported having synesthesia also averaged higher when "rating" their own creativity on a scale from 1 to 5. Those who reported having synesthesia also reported more frequently engaging in creative hobbies or activities such as art and music.</p> <p>Conclusions/Discussion The data support my hypothesis that people who report having synesthesia are more likely to score higher on measures of creativity than those who don't. A correlation between synesthesia and creativity suggests a possible neurological component to creativity.</p> | |
| Summary Statement Using a questionnaire and creativity test, I determined a correlation between synesthetic experiences and creative ability. | |
| Help Received None. I designed and conducted the experiment myself. | |