## Colorado Science and Engineering Fair

## 2023 <br> Team Project Abstract Form

## Please print 2 copies of the completed form. Sign both copies, keep 1 for your notebook

 and submit 1 copy to your Regional Fair Director with your other paperwork.Title of Project: Aphantasia: A 20/20 Look into the Mind's Eye
Team Leader's Name: Alijah Mattson
Team Member 1: Cristian Calvin Team Member 2: Gunner Nestor
School and City: Genoa-Hugo, Hugo
Sponsor's Name: Mr. William Mallory
Category: Behavioral \& Social Sciences
Division: Senior (9th - 12th grades)
Abstract (250 words or less):
The purpose of this science fair project is to explore the strange phenomenon called Aphantasia, a condition inside the human brain that limits mental imagery. Not much is known of this condition; however, testing began in the late 1800s. Not much resulted from that initial testing, and nothing had been learned about this condition until 125 years later when scientists resumed testing and finally found evidence that this phenomenon existed. Our hypothesis is the percentage of students in our local school that appears to be on the spectrum of Aphantasia would be between $1-2 \%$. For this particular experiment, we decided to create our own, online, and confidential survey sent to volunteer subjects, including both students and school staff that would help us determine whether they fell somewhere on the Aphantasia spectrum. The data really surprised us, it appears that $50 \%$ of our responding subjects fell closer to the hyperphantasia end of the spectrum. We were disappointed by the lack of subjects willing to participate in our research project, but still feel that we created awareness in our local community related to Aphantasia.

We hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. We also attest that the above properly reflects our own work.

Team Leader's Signature: $\qquad$
Team Member 1's Signature: $\qquad$
Team Member 2's Signature:

Date: $\qquad$
Date:
Date: $\qquad$

