



**CALIFORNIA STATE SCIENCE FAIR
2017 PROJECT SUMMARY**

Name(s) Meiwan M. Gottschalk	Project Number J0707
Project Title Visual Processing: Males vs. Females	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of this project was to determine if males or females could process visual information more accurately and at a faster rate. Previous research done on this subject has found that males could visually understand numbers and shapes more easily than females, so it was expected that males would be faster and more accurate.</p> <p>Methods/Materials One at a time, forty subjects were given a test that had seven questions related to visual processing. Each individual question was timed and when the test was over each was checked for accuracy.</p> <p>Results After experimenting on twenty females and twenty males, it was concluded that females were slightly faster and more accurate than males. In three out of seven questions females were faster and two out of seven questions males were faster. In two questions females and males ended with the same result. Overall females were more accurate than males by 0.1 of the questions.</p> <p>Conclusions/Discussion The results did not support my hypothesis. Females were both faster and more accurate than males. This project can help people understand their visual perceptual strengths and weaknesses, which can help determine the right job for a person and help those with learning disabilities learn more effectively.</p>	
Summary Statement This project investigates whether males or females can visually process information more accurately and at a faster rate.	
Help Received This project was proof-read and edited by teachers.	