



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

Name(s) Jaclyn N. Rawnsley	Project Number J1318
Project Title Color through a Dog's Eyes	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of this study is to determine if all dogs can see color by testing subjects from different dog groups in order to observe how they see and respond to colors.</p> <p>Methods/Materials Self-Developed experiment using 4 dogs (from different dog groups), various dog treats, and red, blue and yellow felt squares. Trained dogs to only respond with an appropriate trick to each specific color in a randomized order.</p> <p>Results All the dogs tested were able to see some variation of color on each of the red, blue and yellow felt squares although not in equal ability. Each of the dogs showed various responses to how they were able to see each color.</p> <p>Conclusions/Discussion Dogs can see color and be trained to respond and differentiate the colors red, blue and yellow no matter the dog group. Additionally, this experiment has led me to conclude, all dog groups have different purposes which require them to see color differently. The importance of each dog's ability to see color varies depending on their groups' job/role in society.</p>	
Summary Statement By training dogs in different dog groups to see and respond to color, I learned dogs can differentiate color although not in equal ability.	
Help Received This project is self-developed but with the support of my mother, science teacher and all those who volunteered their dogs to participate in my experiment.	