



**CALIFORNIA STATE SCIENCE FAIR
2017 PROJECT SUMMARY**

Name(s) Jaclyn N. Rawnsley	Project Number J1311
Project Title Color through a Dog's Eyes	
Abstract Objectives/Goals My objective was to find if dogs can distinguish the difference between three primary colors. Methods/Materials Blue, Red & Yellow Felt (all the same size), various food & praise rewards, dog. I used the reward system when my dog gave the appropriate trick/response to each of the different colored felts when voice commands were used. I repeated the process above without the use of voice commands until I received the desired result when each of the colored felts were presented in a random order. Results At the end of my experiment, I proved that dogs can see color. I trained my dog to successfully determine the difference in color and respond with the appropriate trick without the use/need of voice commands. Conclusions/Discussion During this experiment, my goal was to successfully train my dog to differentiate color. To recap, I used the three colors, red, yellow, and blue to symbolize as commands to determine if dogs are colorblind. My hypothesis was that dogs could be trained to see and react to specific colors. My data proved I was correct. Dogs can see the difference in color and respond appropriately. The background research showed that dogs can see color but not all the colors we can see. They can see a variety of blues, yellows, and violets.	
Summary Statement After the proper training, my dog was able to help me prove that dogs can see color by responding to colored felt in the desired fashion.	
Help Received I designed, trained and performed the experiments myself.	