CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY

Name(s)
Cody P. Sevedge

Project Number
J1021

Project Title
Dogs: Colorblind or Not?

Abstract

Objectives/Goals
My project was to determine if dogs could see colors. I predicted that dogs could see color because they have rods and cones the same as humans.

Methods/Materials
Materials: 5 dogs, 5 colored square stakes(red, green, white, blue, and yellow),
50 hot dogs
Methods:Training Procedure-Five colored stakes were set out with a hot dog on only the red stake. Dogs were trained to go to the red stake with the food. Each time the stakes were moved around. Testing Procedures-Stakes set out without hot dog. Dogs released and recorded data of stake dog approached first.

Results
I tested all five dogs five times for a total of 25 tests. Four of the dogs tested went to the red stake 3 out of 5 times. One dog tested went to the red stake every time. All of the tests put together averaged a 68% correct response.

Conclusions/Discussion
I tried to prove if dogs could see color. In my experiment, the dogs I worked with went to the red colored stake 68% of the time. This proved that my hypothesis was correct because after training the dogs to receive food at only the red colored stake they went to that same stake even when I mixed the stakes up each time during the tests.

Summary Statement
I tried to prove if dogs see color.

Help Received
Mother helped type report. Dr. J.P. Sevedge gave veterinary advice.