

CALIFORNIA STATE SCIENCE FAIR**2001 PROJECT SUMMARY**

California Science Center

Your Name (List all student names if multiple authors.)**Kelly B. Ashton****Science Fair Use Only****J1504****Project Title** (Limit: 120 characters. Those beyond 120 will be ignored. See pg. 9)**Do You See What I See****Division****J Junior (6-8) J Senior (9-12)****Preferred Category** (See page 5 for descriptions.)**2 - Behavioral Sciences****Abstract** (Include Objective, Methods, Results, Conclusion. See samples on page 14.)

Use no attachments. Only text inside these boxes will be used for category assignment or given to your judges.

PURPOSE: The purpose of this science project was to find out what at what density the eye can see pale colors. These pale colors consisted of a red that turned into a pale pink. The other colors are a green, a blue, a yellow and a violet.

EXPERIMENTAL METHOD: Putting the palette of colors underneath a source of light (Fluorescent, Incandescent and Natural Day) and asking what color the subject sees through their eyes. They mark their data down on a sheet and then I input it into data sheets (as noted in my portfolio).

CONCLUSION: I found out that the color seen least accurately was violet. The violet color looked as if it was a bluish white. And then the second least accurately viewed color was green. I was surprised by this one. I didn't think that green would be one of the least. And then the next color was red and then the color yellow and then blue.

Summary Statement (In one sentence, state what your project is about.)

The purpose of this science project was to find out what at what density the eye can see pale colors under different sources of light.

Help Received in Doing Project (e.g. Mother helped type report; Neighbor helped wire board; Used lab equipment at university X under the supervision of Dr. Y; Participant in NSF Young Scholars Program) See Display Regulation #8 on page 4.

Mom helped review the display.