



**CALIFORNIA STATE SCIENCE FAIR
2008 PROJECT SUMMARY**

Name(s) Andrea M. Cerda	Project Number J1206
Project Title Does the Color of Your House Affect the Temperature Inside?	
Abstract Objectives/Goals The objective of my project is to see which color house would have the highest temperature inside. The colors of the houses are: blue, black, white. I believe that the black house will have the highest temperature, because in the past I had learned that dark colors attract heat. Methods/Materials I built three small houses, with the same size and shape. I painted one blue, one black and one white. To make sure the houses had the same amount of paint; I weighed the paint and then put it on to my houses. I drilled a whole in the center of each house to put the thermometer in, and then I began to test. Results Over all, the highest temperature was the black house in trial two with a Celsius of 28.1. In general, the lowest temperature was the white house in trial nine with a Celsius of 17. The black house was always had the highest temperature. The blue house always had a temperature between the black and the white houses temperatures and the white house always had the lowest temperature. Conclusions/Discussion In conclusion, people who want to lower their air conditioning bill might have an advantage in using certain colors. Such as people with dark colored houses may stay warm in the winter and people with light colored houses may be cool in the summer. I now know this because when I was testing I put my hand over all the houses and noticed that the black and blue houses were warm and the white house was cold.	
Summary Statement My project is about finding which colors on a house attract the most heat.	
Help Received	