



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Raven M. Rios	Project Number J1531
Project Title Hot Homes -- Cool Solutions	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals My objective is to determine if designing a different roof system helps with regular ventilation.</p> <p>Methods/Materials *Balsa Wood *Hot Glue Gun *Hobby Knife *Nails *30 Glue Sticks *2 Candles *Sand Paper *1 Electric Fan *Battery *4 Brass Hinges *Plexy Glass *Textured Paint</p> <p>Results My results was that the experimental house with the exhaust fan was cooler than the control house with the regular ventilation.</p> <p>Conclusions/Discussion By redesigning a house with an exhaust fan, the temperature cooled down faster. The pressure of the fan gave enough energy to send the hot air out faster.</p>	
Summary Statement My project is about comparing the results of temperature of regular ventilation versus an installed exhaust fan in a roof	
Help Received Uncle helped build house, board, and complete papers;Mother helped with paper work: Father helped with installing fan:Janelle helped with board and materials.	