



**CALIFORNIA STATE SCIENCE FAIR
2006 PROJECT SUMMARY**

Name(s) Kayla A. Doyle	Project Number J1112
Project Title Fire It Up!	
Abstract Objectives/Goals Since my dad is a firefighter I have an interest and knowledge of fire, so for my science project I wanted to see how damages from fire could be prevented. I thought that if I painted the inside of one wooden box with No-Burn Plus, a second with Latex Paint, leave one alone and then light them each on fire for five minutes, then, the No-Burn Plus will keep the wooden box from getting the most damaged by the fire. Methods/Materials To test my hypothesis I built three wooden boxes and painted the inside of one with Latex Paint and the other with No-Burn Plus. Then, I filled them all with ten pieces of newspaper. Next, I lit one on fire and recorded the temperatures and my observations for five minutes. After five minutes I had an adult put out the fire and I recorded how the box looked. I did this with all three boxes. Results It turned out that the Latex painted box was the most deeply charred and #alligatored# box, which made it the most damaged by the fire. The No-Burn Plus foamed up and prevented deep charring, so it was the least damaged by the fire. Conclusions/Discussion By doing this project I learned that No-Burn Plus does prevent fire damage such as #alligatoring# and deep charring. I hope that this project will show people how much of a difference No-Burn Plus makes, and that they use it to safe guard their house.	
Summary Statement My project is about testing a product to see if it can really prevent fire damage.	
Help Received Dad helped with safety issues such as lighting the fire, putting the fire out and nailing the boards together to make the wooden boxes.	