



**CALIFORNIA STATE SCIENCE FAIR
2015 PROJECT SUMMARY**

Name(s) Jazmin Flores; Karissa Westbury	Project Number 35428
Project Title Comparing Ash Particulate Levels from Different Types of Firewood	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals Our objective was to find a firewood that would produce the least amount of ash.</p> <p>Methods/Materials First we burned the different woods and collected the ashes. We put them in a container with cotton balls. We also put a piece of photo paper with petroleum jelly (which was weighed first) to catch the ash. We then dropped a potato masher, and weighed the paper again. We did this ten times with each wood. Apple Wood, Peach Wood, Fire Log, Almond Wood</p> <p>Results The peach wood and the fire log emitted the least amount of ashes.</p> <p>Conclusions/Discussion After completing our investigation on comparing ash particulate levels from different types of firewood. Our hypothesis was incorrect because the peach wood produced the most air particulates, and the fire log produced the least air particulates. The Peach Wood produced the most air particulates with .3658 ozt, the Apple wood had .3441 ozt, Almond wood with .3441 ozt and Firelog with .3410 ozt. We learned that people should burn Fire log because it produces less air particulates in comparison to peach wood, apple wood and almond wood.</p>	
Summary Statement Our focus was to find a firewood that would produce the least amount ash, in order to help educate people about air pollution.	
Help Received Karissa's dad burned the wood, and our moms helped us with the board.	