



**CALIFORNIA STATE SCIENCE FAIR
2014 PROJECT SUMMARY**

| | |
|---|---------------------------------------|
| Name(s) Jaqueline Kelly; Kelly Stegemman | Project Number J1114 |
| Project Title Let It Burn | |
| <p style="text-align: center;">Abstract</p> <p>Objectives/Goals In our project we tested to see which type of wood would burn with less pollution. Our goal was to gather particulate matter and count the visible ones. The type of wood with the most visible particulates would be the wood with the most pollution. (out of Oak, Pine and Eucalyptus)</p> <p>Methods/Materials Our methods were to use a 7.62 X 7.63 cm piece of white poster board with a 2.54 X 2.54 cm square cut in the center of the larger square. we place a clear piece of tape over the centered square and after burning the wood for 3 min and 30 seconds we placed the square over the smoke. After 1 minute we counted the visible particulates and recorded the amount of particulates. We repeated 5 times</p> <p>Results Our results show that the Pine Polluted the most. It let off the most visible smoke particulates. Eucalyptus let off the second most and Oak came in last place letting off the least amount through smoke particulates.</p> <p>Conclusions/Discussion We concluded that Pine polluted with the most visible particulates. Eucalyptus came in second place and Oak polluted the least amount.</p> | |
| Summary Statement We burned 3 types of wood to see which one would burn with less pollution. | |
| Help Received Father helped with the fire | |