



**CALIFORNIA STATE SCIENCE FAIR
2013 PROJECT SUMMARY**

Name(s) Maya S. Clarkson	Project Number J0602
Project Title Coastal or Mountains?	
Objectives/Goals Through this experiment I tried to make successful glazes for potters to use made from materials near my home.	
Abstract	
Methods/Materials I gathered and processed twelve materials from around the area I live in. I created tiles where each material was applied alone, applied in a 2 part mix with wood ash, and applied in a 3 part mix with ash and local clay. I fired 3 sets of tiles to 3 different temperatures, Cone 3, Cone 6, and Cone 10.	
Results I found that several local materials or combinations of materials could form glazes, especially at higher temperatures.	
Conclusions/Discussion Our local materials have a wide range of color and surfaces at different temperatures. Materials from lower altitudes seem to have lower melting points. I am excited for further testing and making pottery with my results.	
Summary Statement Creating ceramic glazes from local materials.	
Help Received Mother helped type, Father drove and helped make test tiles. Father helped load and fire kilns.	