



**CALIFORNIA STATE SCIENCE FAIR  
2008 PROJECT SUMMARY**

<b>Name(s)</b> <b>Jerrica N. Cox</b>	<b>Project Number</b> <b>J1210</b>
<b>Project Title</b> <b>Which Form of Insulation Preserves Thermal Energy?</b>	
<b>Objectives/Goals</b> My objective is to determine which cup preserves thermal energy the best.	
<b>Abstract</b>	
<b>Methods/Materials</b>	
<b>Methods:</b> 1. Water is heated to 100 degrees Celsius 2. Cup is filled with water. 3. Temperature is recorded every 60 seconds for 600 seconds.	<b>Materials:</b> Plastic      Styrofoam Ceramic     Glass
<b>Results</b> My highest average for which cup preserves thermal energy was styrofoam. Out of the four cups my lowest average was glass.	
<b>Conclusions/Discussion</b> Out of the glass, plastic, and ceramic I concluded that styrofoam cups are the best insulations to preserve thermal energy. Out of those four cups I also concluded that glass would drop the temperature of the water the most.	
<b>Summary Statement</b> My project was to determine which cup would keep the water the warmest.	
<b>Help Received</b>	