



**CALIFORNIA STATE SCIENCE FAIR
2002 PROJECT SUMMARY**

Name(s) Niclas A. West	Project Number 22413
Project Title Does a Solar Panel Do Better under Different Conditions?	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals The objective of my project is to determine what conditions a solar panel will do best in.</p> <p>Methods/Materials 4 different colored plastic sheets identical in size and shape were placed over a solar panel that was collecting light from a lamp. The lightbulb that I used was a 60 watt lightbulb, and also, for the heat variable, I used a 120 watt lightbulb. To get how volts the solar panel produced I hooked a voltage tester up to the solar panel.</p> <p>Results In my project I found that the heated variable produced the most volts. The controlled variable produced the second to the most volts, and the filtered variable produced the least amount of volts.</p> <p>Conclusions/Discussion My conclusion is that, the different climates that you put a solar panel in is important if you want to get the maximum voltage out of it.</p>	
Summary Statement My science project is about how different climates affect a solar panel.	
Help Received Mother, Father, Grandfather	