



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

Name(s) Elison A. Hernandez	Project Number J0618
Project Title Determining the Temperature Absorption Rates of Various Soils	
Abstract Objectives/Goals From my project I learned how the weather affects various soils and for how long. I also learned which soils will cultivate better in different temperatures. I found a lot of information on the many differences between soil and dirt in my research. Methods/Materials I used clay, dirt, and sandy loam for my project. I also applied the high and low temperatures using a heat lamp and a bowl of ice. The reason I decided to use these things is because they worked best to apply heat to the soil and not the thermometer. Results After investigating my project I found that dirt would be best to use in the winter. I also found that the sandy loam and the clay would cultivate better in the summer. The dirt was the extreme of both the high and low temperature tests. It did not absorb any low temperatures but absorbed the high temperatures the whole time I observed it. Conclusions/Discussion Although I found that dirt would cultivate better in the winter; after researching my project I found that dirt cannot sustain plant life like soil can. It does not have the nutrients plants and crops need.	
Summary Statement My project is about how long various soils are affected by high and low temperatures.	
Help Received Pier took pictures that were not used in project; dad helped me get the different types of soils.	