CALIFORNIA STATE SCIENCE FAIR
2017 PROJECT SUMMARY

Name(s)
William H. Bennett

Project Number
J1402

Project Title
Natural Insulators

Abstract

Objectives/Goals
The goal of this project is to find out which natural material is best insulator(best at resisting heat).

Methods/Materials
Cooler, natrual materials, microcontroler, controller/computer, fan, data logger, and heat source/lightbulb. Testing four materials each three times over a course of 30 minutes.

Results
From my testing I found that the best natrual insulator is the dirt. I found this out by making a rise rate table that displayed the average temparature rise rate over mintues. It showed that the dirt had the lowest average rise rate.

Conclusions/Discussion
The dirt was the best because of the density or the mass of the dirt. The dirt was dense and had lots of mass. It was better at filling in the spaces, which doesn't allow for air circulation.

Summary Statement
It is about what material, natrual, is the best at resiting the heat nad is a better insulatuar.

Help Received
I go help from my dad, with the data logging and all the computing systems.