

Introduction

Temperature variation at high noon, as a rule, changes only a little from day to day. However, changes at that same time, at different times of the year, vary significantly resulting in different seasons.

While reading about the causes of temperature variations from season to season, I was reminded of my own observation of the longer shadows that occur at high noon during the winter months. It was during these times that the temperatures were the lowest. I wondered if there was a relationship between the angle of the sun and temperature.

Statement of Problem

The purpose of my project was to determine how light inclination affects the amount of heat received from a heat source.

The information gained from this project could be used by farmers trying to determine the best times to plant their crops. This information could also be used by anyone interested in weather patterns.

Hypothesis

My hypothesis was that temperatures would increase as the angle of a light source moved from a low angle to a higher one. I based my hypothesis on previous stated research and the fact that it is cooler in the morning when the angle of the Sun's rays is at its least due to the Sun's low altitude.

Description of the problem being investigated

What reading or experiences led you to your final project topic

The purpose of your project (or the problem that you are trying to solve)

How the information learned from your project will help others and/or society

What you think the results of your experiment will be (An educated prediction)