



## The Money Tree

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## Abstract

The researcher in this study wanted to discover if shade trees can help cool a building and what time of day are they most beneficial? Witherspoon dorm was chosen as the location, and thermometers were placed in pairs around the dorm, one thermometer which would be shaded by a tree and the other which would not. The temperature was recorded multiple times throughout four days. The data was then compiled into Excel and graphs of the average temperature for each window were analyzed. A chart for the average differences of each window pair was also created. The researcher concluded that at Witherspoon dorm shade trees would be the most effective in the late morning and early afternoon and that the northwestern side of the building did not need shade trees.

