# ME 345 Experiment Details

## Introduction

As part of the ME 345 course I would like you to create a simple experiment to measure some sort of heat transfer phenomenon. This should be something that requires minimal tools/equipment, and that hopefully you already have most of. For many students this might relate to some sort of baking/cooking in the kitchen, but it could also be something related to a capstone project or a research project you are working on. The key elements are:

* It needs to measure something related to heat transfer
* You should be able to take a physical measurement (or measurements) to that allow you to measure the phenomena in question.
* You should be able to make a mathematical simulation that helps validate your experimental results.

## Write-Up

Your initial pitch for the project was part of a homework assignment earlier this semester. You’ll need to write up your findings from the experiment, and your math modeling in a short report that can be shared with future ME 345 students. This report should explain the following:

* What phenomena you are trying to measure, or what heat transfer question you are trying to answer.
* What equipment/measurements were used in the experiment, and how the measurement(s) were taken.
* Results of your experiment.
* Mathematical modeling that supports your measurement(s).

The write-up doesn’t need to be super lengthy, but should be enough that a future ME 345 student could understand what you were doing and be able to repeat it.