**Challenge 3: Technical Writing & Calorimetry**

*ASEN 2012 ~ 25 Sep 2020*

The purpose of this challenge is to practice applying technical writing principles to content relevant for your calorimetry project report.

Steps:

* Choose a partner from your break out group.
* Spend 10 minutes writing a response to the first prompt.
* Use 5 minutes to revise/edit your partner's response.
* Repeat those steps for the second prompt.

Guidelines:

* Each response should be a minimum of 4 sentences.
  + Graded on quality of writing and answers to the prompts, not sentence count.
* Emphasis should be on implementing the key principles of technical writing that were covered in this week’s lecture.
* Use the commenting and revising tools in google docs to facilitate your editing.

Some resources that may be useful:

* BCcampus provides a useful overview of calorimetry in the first part of [this write-up](https://opentextbc.ca/chemistry/chapter/5-2-calorimetry/). The methodology and application of calorimetry are covered in your ASEN 2002 lab and ASEN 2012 lecture, but feel free to use this and other outside resources if you wish to refresh your knowledge or dig deeper into calorimetry. **Remember that you must cite all external resources.**
* The American Institute of Aeronautics and Astronautics provides a [template for technical writing](https://ae.engr.ku.edu/sites/ae.drupal.ku.edu/files/docs/AIAA%20Papers%20Template.pdf). This template will be used in your Project 1 deliverable.

File Submission:

This challenge will be a partner submission. Do not include a group number in your file name. NAME YOUR FILE AS FOLLOWS:

* Section 1: Challenge3\_S1\_{Partner1}\_{Partner2}.pdf
* Section 2: Challenge3\_S2\_{Partner1}\_{Partner2}.pdf
  + Example: Challenge3\_S1\_TylerGaston\_TanishaAnand.pdf

**Export your google doc as a .pdf file and upload to gradescope by midnight on Monday. Although you should be able to complete this assignment during the scheduled class time.**

Partner 1: {Full Name}

Partner 2: {Full Name}

Partner 1: {Full Name}

**What is the purpose of calorimetry? Why are calorimetric methods and analyses relevant and useful to us as engineers?**

**In ASEN 2012 we put significant focus on error and uncertainty analysis. What are some potential sources of error or uncertainty in calorimetric data collection, and how might an experimenter account for them?**

Partner 2: {Full Name}

**What is the purpose of calorimetry? Why are calorimetric methods and analyses relevant and useful to us as engineers?**

**In ASEN 2012 we put significant focus on error and uncertainty analysis. What are some potential sources of error or uncertainty in calorimetric data collection, and how might an experimenter account for them?**