**Glacier Goo, Erosion, and Deposition**

There are not too many labs on glacier erosion. Some of them just involve putting ice cubes in a sandbox and seeing how material moves as they melt, which sounds like fluvial erosion and not glacier erosion. You’re going to use glacier goo, a variety of other materials, and design an experiment to study glacial erosion and how it ties to glacier motion and/or water content.

**Task 1**: Abrasion of the bed

Focusing on abrasion, use the materials to come up with an experiment to test abrasion on bedrock.

If you can think of something related to plucking, we can definitely test that too, but I have not found anything that really works. What are different variables that could be further tested?

For Task 1, write up directions for this lab, so that someone else could follow. It should be between 1 and 3 pages long. It should include

* The theory of what is being tested
* The materials needed
* Setup steps
* How to collect data and what data to collect
* Overview of the analysis of the data
* Extra questions and variables that can be explored (list at least 3)

**Task 2**: Choose one of the following and try to come up with an experiment

* Plucking
* Deposition
  + Moraines
  + Subglacial
* Subglacial fluvial networks
  + Outburst floods
  + Enhanced sliding
* Supraglacial streams
* Landsliding effect on flow
* “Till” Deformation
* ???

For Task 2, you do not need to write a full lab procedure. You should make a list of necessary materials and general overview of directions to follow, however.