Agenda

* Ensure consensus on new direction:
* We are looking at pivoting the research more towards the repair side of the question. This would make the end goal to be finding the effectiveness of repairing 3D printed structures with a 3D printer. This would entail testing 3+ groups of samples mechanical properties to analyze effectiveness:
  + Control (undamaged)
  + Damaged
  + Repaired by conformal 3d printing
  + Repaired by any other means (to compare effectiveness)
* Decide who will be doing what for document

Goals

* Create technical document on plan by tuesday next week (to base the presentation on)
  + Needed: research
    - Has this been done before?
    - What types of damage is most common? (gashes? holes? dents?)
    - How can damage be generalized?
    - How is this damage currently repaired?
    - Is there any damage where a 3D printer would really be the best/only option?
    - Basically really need to boil down what is the damage we are looking for?
  + Test Setup
    - What 3d printer would we use?
    - How would we do slicing?
    - Create CAD of test subjects
  + Structure of document
    - Overview - do last
    - Why we should go in this direction
    - (mini) lit review
      * Use literature (either stuff we’ve already researched or new things) to back up why
      * Also use this literature to constrain the project:
        + See research questions above
    - How
      * Technical
      * What printer?
      * What slicer?
      * What tests are needed on samples
      * How can we generate this damage repeatedly?