Weekly report

1. **My *Goals* from last week**
   * Objective 1: Test the new tilting frame. Change the axle where the rotating bar is mounted to be supported by ball bearings, to further reduce friction
2. **My *Accomplishments* this week**
   1. Objective 1:
      1. Tested the frame with salt and lead balls. When the particles are resting on the bar perfectly, the bar doesn’t rotate even when the magnet is removed. Can only do this when the angle is small because otherwise the lead balls roll on each other and fall before the test can be performed. Need something heavier than salt but less prone to rolling than lead balls.
      2. Started designing a new frame with ball bearing supports
3. **My *Goals* for next week**
   * Tilting frame

* Make the new frame with ball bearings and test with salt, lead balls, and hopefully other types of particles

1. **What I need Dr. Becker to do:**
   * Can we acquire sand, like that used for the geophones penetration experiments?