On Wednesday the 21st Caitlin and I met in the senior design lab. We focused mainly on our computer mount project since we have ordered and received all of the parts for the device. We assembled all the parts which we received from Daessy Inc. We then took measurements of the assembled parts to determine dimensions for the mounting plates.

![Diagram of mounting plate dimensions](image)

*Figure 1. Dimensions for bolt holes and weld pockets on mounting plates*

On Friday the 1/23/09 Caitlin and I went to the machine shop during our Friday lab time. We used the milling machine to work on the mounting plates. We had to use CNC in order to do this, so Rich at the machine shop helped us get started. We accomplished all of the machining which is displayed in figure 1. This includes all of the bolt holes and the two weld pockets. Once we finished the machining we took the mounting plates back into the senior design lab to test fit them with the rest of our mount assembly. The components fit together well. On Monday 1/26/09 we will be finishing the rest of the machining on the plates and hopefully welding the rest of the assembly to the mounting plates. Figure 2 shows the machining work I hope to accomplish this week on the mounting plates. The ends will be rounded for safety purposes, in an effort to avoid sharp edges. The cutaways in the plate are meant to reduce the weight of the
mounting plates since they are made of steel, which is heavy. Once the welding is complete we will be able to attach the rubber to the inner sides of each of the mounting plates. We will use an adhesive which we found in the design lab. We are hoping to be able to test our device by the end of the week first without Sean’s Vmax and if that goes well, then with the Vmax.

For the trampoline project we had some parts ordering that had to be done. On Wednesday the 21st Caitlin and I found a harness on www.mountainhighoutfitters called the wiz kid, which we ordered. We chose this since there were buckles which would make it easier to get Shaun into. We also ordered the trolley, the Grizzly H8008 3 Ton Heavy-Duty I Beam Trolley, for the jib crane from http://grizzly.amazonwebstore.com. On Friday after the machine shop I also contacted the crane company to try and determine what we need to do to have the crane delivered on site (to the Steinglen’s) and installed without any complications. I am awaiting a response from them, but I hope to hear from them early this week.
On Monday the 26th we will be meeting with Brenda at 3:45 PM at her household. We will be going over our progress and current work as well as discussing the complications associated with the crane delivery and assembly of the device at their household. We would also like to set up a date to meet with her later in the week to test our computer mount in their vehicle with Sean’s Dynavox Vmax.

The upcoming week will be devoted to getting the computer mount completed, meeting with our client, finishing our parts order for the trampoline project, and testing the completed computer mount.