On Tuesday afternoon I assembled the completed computer mount onto the headrest of my vehicle for testing purposes. I first tested the mount with no attached weight to the device to see if the device would hold up to driving. There was no loosening of the device and I noticed minimal vibration of the mount assembly. The following day I attached a 5 pound weight to the horizontal bar of the device to simulate the weight of the Dynavox Vmax. After driving with the simulated weight for 2 days I found that the device did not loosen from the head rest and that the mount was much more stable with the weight on and prevented some of the vibrations, which I had noticed without the weight. After testing I determined that the mount was completed and no work other than painting of the mounting plates needed to be done.
Since the testing went well with the mount on Thursday I went to the hardware store to purchase some spray paint. I consulted the guy at the store on what type of paint to use, and he told me that Rustoleum spray paint would work. I bought a gray primer and blue finish paint. That night I set up an area to do the painting and masked off all of the surfaces I didn’t want to be painted with masking tape and painter’s plastic. I also had to prep the surfaces for the paint by using sand paper and then
cleaning the surfaces to be painted. Then I applied one coat of gray primer and two coats of the blue finish paint.

![Computer Mount with Painted Mounting Plates](image)

**Figure 2.** Picture of computer mount with painted mounting plates

On Thursday I also assembled the trolley for the crane in the senior design lab. I wanted to see how tight we could get the assembly to see if we could use the hoist hanger which came with the trolley as an attachment point for the vertical rail system. I found that the hanger would swing so to get a tighter grip I made some neoprene rubber washers, from the leftover rubber from the mount project, to see if the hanger would have less sway. I found that the washers I made would hold the hanger very tight and that with these washers we can base our vertical rail mounting bracket off of the trolley’s hanger.
On Friday in the design lab I first made a list of concrete contractors, which I hadn’t called yet and got few answers. I left some messages and got a call back from a company which I will be meeting with next Sunday morning. I also got a revised quote with shipping costs from the crane company. The shipping was to a commercial dock, so I contacted him to see if this could be shipped to a commercial address. I will have to call him Tuesday since they were closed this Monday to resolve the issue. After this Caitlin and I spent the rest of the day assembling the mounting bracket for the back of the seat. We had to drill some holes in some of the components which Caitlin had
gotten for free from the machine shop. We had to spend a good deal of time aligning the parts and drilling holes. We eventually got the bracket completely assembled.

Figure 4. Assembled mounting bracket on the back of the seat

Friday night we had a meeting with the Steinglens at their house. We brought an exercise trampoline with us to see how Sean jumped and videotaped this. We had him harnessed into his lite gait harness system which he normally uses with a treadmill. We also assembled the computer mount in their vehicle with the Dynavox Vmax attached. They really like the mount but want us to make the height somewhat shorter, which will
only be a minor modification. This week in total I spent about 12 hours working on the project.