Assistive Jumping Device and Travel Computer Mount

Progress Report:
Week 3 (2/2/09-2/9/09)

By: Kelly Valentine
Caitlin Martin
Blaine Ericson
Travel Computer Mount

The travel computer mount will allow Sean to safely and effectively use a Dynavox computer while traveling in a car.
Progress Completed

- Had the mount assembly welded by a professional welder
- Had to make a wooden frame to align the parts in the proper position
- Made circular weld pockets larger for easier fit for the L-bars
- Welded using a tig welder
Pictures of Progress Completed

Weld pockets made larger in diameter
Work To Be Done

- Mount must be tested in a vehicle
- After testing complete the mount will be made aesthetically pleasing by painting the mounting plates
- Give the mount to the client
Budget

No More Money Will Be Spent
On The Computer Mount!!!!
Assistive Jumping Device

The AJD will allow Sean to safely jump on a trampoline.
Progress Completed

• Pelvic Harness Attachment
  – Consulted Dave & EMS employee for safe and effective attachment of pelvic harness
  – Harness temporarily attached with tape
  – Attached using carabineers and buckles so pelvic harness is detachable
  – Extra padding added to harness for comfort

• Reupholstering Seat
  – Silver vinyl fabric purchased and pieces cut
Progress Completed (CONT.)

• Vertical Rail Ordered
  – From Igus Inc.
  – We have dimensions
• Concrete Contractor Contacted
  – Sending out specs to them today
  – Should hear back in about a week with estimate
• Found an aerobics trampoline
• Researched bungees to compensate for weight of the rigging
  – Contacted Novabraid online and currently awaiting product information
Pictures of Progress Completed

Padding on legs and back of harness

Seat belt buckles reattachments
Pictures of Progress Completed

Side seat belt straps securing the back of the pelvic harness

Vinyl upholstery of harness
Work To Be Done

• Sewing of harness components and new upholstery
• Designing Brackets
  – Vertical rail trolley to the seat back
  – Crane trolley to vertical rail
• Shop around for concrete contractors
• Order bungees
• Get Sean on the aerobics trampoline
• Get new quote for the crane with shipping costs and cost of anchoring bolts
Budget

• Still to be Ordered:
  • Crane (with Bolting)
    • Getting new quote with shipping and anchoring bolts
  • Cement Installation
    • Awaiting estimate from L&M concrete
  • Crane Installation
    • Optimistically we can do this ourselves but may need to rent equipment
  • Bungees
    • Awaiting contact from Novabraid
Hours Worked

- Caitlin – 14 hours
- Blaine – 10 hours
- Kelly – 12 hours