Team 2: Standing
Gardener
Multi-Terrain Wheelchair
Robert Knapp
Peter George
Fryderyk Karnas
Work Completed

- Finished welded stainless steel plates to the ends of the pipes and tubes.
- Welding warped the plates.
Work Completed

- Had to bend the plates back to shape using the vise and a hammer.
Work Completed

- The pot tray holder slots have been milled out of the workspace.
Work Completed
Our Project is Starting to Take Shape
Our Project is Starting to Take Shape
Work Completed

The front wheels of the wheelchair are too big and will hit each other if installed in their current position. Therefore, a piece needs to be made which will move them apart and allow them to move freely.
Work Completed

- First a plate needed to be made for the tops of the front wheels. Next a piece will be made which will extend the wheels out from the wheelchair.
Work Completed

- That piece will then be welded to a 3 inch long rod which will fit into a tube on the wheelchair.
Future Work

- Our next step for the standing gardener is to mark out where all of our tubes and pipes will be. Once all of the tubes and pipes are marked we can then drill holes where we will bolt the legs to the top and bottom sheets of metal.

- Now that we have a 3D visual idea of what the standing gardener looks like, we can start planning out our pad designs.
Future Work

- All of the pieces are cut and lathed for the front wheels of the wheelchair except one. Now we can cut that last piece and weld the unit together.

- Once they are welded together we will know the height we want for the rear wheels and we can then start making the axels for them.
Hours Worked

- Beau
  - 14.5
- Fred
  - 14.5
- Peter
  - 15
Thank You

- Questions?