INTRODUCTION
Over the course of two semesters we have formulated plans to store materials, find a work space, go over design drawings, and make a step by step approach to completing the bench assembly as a whole.

The current project had 2 goals:
1. Match the wood stain to the previous bench color.
2. Complete the adjustable bench so that Dr. Tam (our client) could use it and was happy with the final product.

RAW MATERIALS AT BEGINNING OF PROJECT

FINAL PRODUCT

Thanks to professor Jim Heise for design assistance; and to John Sheriff and Hoa Chi for assistance in labs.

Client: Dr. Tin-Shi Tam and the Music and Theatre Department

METHOD
- Work in sections
- Create weekly goal schedule to meet and stay on track
- Communication with designer and client

CRITERIA
- Bench must be adjustable by 3 inches
- Adjusting shaft should be moveable with ease, using the shaft shown below
- Usage of shaft mechanism along with polyethylene to create “up and down” motion with ease
- Bench was constructed from felled oak tree from ISU campus