

Male Barrier Model

Week 3: 2/20/09 – 2/27/09

Team Members: Whitney Johnson – BSAC
John Cheadle - BWIG
Terra Gahlman – Communicator
Nick Balge – Team Leader

Advisor: Professor Pamela Kreeger

Client: Dr. Marge Sutinen

Next meeting: 2/27/09, 12:05pm

Problem Statement:

To design a portable teaching tool to demonstrate the strength of polyurethane and latex barriers, using weights and a scale.

Team Goals:

Establish design matrix. Choose design and start purchasing parts to build with.

Individual Goals:

John Decision matrix, choose design, material selection and purchasing
Whitney Decision matrix, choose design, material selection and purchasing
Terra Decision matrix, choose design, material selection and purchasing
Nick Decision matrix, choose design, material selection and purchasing

Summary of Accomplishments:

We discussed our possible designs and selected one to begin work on. We developed a decision matrix for the three main components (clamp, structure, and weighing device) of our device and decided on the best idea for each. After this, we selected and ordered a scale and aluminum poles for the structure. The poles have arrived, and the scale is expected to arrive February 27th.

Difficulties:

The items purchased, and the scale in particular, were probably the most costly that we will need. Selection of the scale was somewhat difficult for this reason.

Activities:

2/14/09	John	Pole selection, and purchasing	2.00h
2/14/09	Whitney	Brainstorming/researching clamp options	2.00h
2/15/09	Terra	Researching/contacting people regarding shot	2.00h
2/18/09	Nick	Researching clamp options/workshops	2.00h
2/19/09	Team	Decision matrix and design selection	1.50h

2/19/09	Team	Scale selection and purchasing.	1.50h
----------------	------	---------------------------------	-------

	John	Terra	Whitney	Nick	Team
Past Week	2.00h	2.00h	2.00h	2.00h	3.00h
Previous Total	7.50h	6.50h	5.50h	7.50h	11.50h
Total	9.50h	8.50h	7.50h	9.50h	14.50h

Expenses:

Item/work done	Price	Quantity	Shipping	Total
Alum. poles	\$7.99	2	\$8.64	\$24.62
Analog scale	\$33.39	1	\$6.87	\$40.26
Total				\$64.88