

Male Barrier Model

Week 9: 3/13/09 – 3/27/09

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: 3/27/09, 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:

Search online for various clamps that could serve the purposes of mounting the condom onto the device or mounting the scale atop the two poles. Apply for permits to the student shop to begin building as soon as possible. Order lead pellets so that they can arrive as soon as possible - necessary to finalize testing of condom failures.

Individual Goals:

John Look into possible free clamps for the poles, research “monocircular” clamps
Whitney Discuss woodworking, research monocircular clamps, apply for shop permit
Terra Confirm with client and proceed to order copper-coated lead pellets, shop permit
Nick Apply for shop permit, research possible monocircular and pole clamps, plan building

Summary of Accomplishments:

We have located some clamps for purchase that would serve well for our condom-holding clamp and others that would serve well to mount the scale onto the poles. The majority of us have applied for a shop permit. We are ready to specify dimensions for our base so that we can begin construction of it. We are also set to purchase clamps and some final supplies in the near future so that we can begin work on those as well.

Difficulties:

none

Activities:

3/22/09	John	Condom and pole clamp research	3.50h
3/23/09	Whitney	Condom clamp research, called about woodworking	3.00h

3/23/09	Terra	Condom clamp research	2.50h
3/26/09	Terra	Pellet approval, permit application	2.00h
3/26/09	Nick, Terra, John	Condom and pole clamp research, permit application	3.50h

	John	Terra	Whitney	Nick	Team
Past Week	3.50h	4.50h	3.00h	3.50h	0.00h
Previous Total	17.50h	15.50h	15.00h	16.50h	17.50h
Total	21.00h	20.00h	18.00h	20.00h	17.50h

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
10 lb lead pellets	\$33.69	1	\$9.26	\$42.95
Total				\$107.83