

## Blinking Orbital Prosthesis

**Week 15-** April 25-May 1, 2008

**Team Members:** Hallie Kreitlow – *Team Leader*  
Allison McArton – *Communicator*  
Ryan Kimmel – *BSAC*  
Joel Gaston– *BWIG*

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### Problem Statement

The focus of this project is to design a blinking orbital prosthesis. When an individual loses an eye due to disease or injury, an orbital prosthesis can be used to increase the person's quality of life and allow them to look whole again. Currently, orbital prostheses do not blink or move and few attempts have been made to make them do so. Our goal as a team is to spark more interest in this study by designing and fabricating a patient model simulator with prosthesis that blinks.

### Last Week's Goals

This week, the team will have completed their testing and redesigning. The team hopes to have the majority of the poster completed by Friday and to have it finished by Monday in order to get it printed. They are planning on doing testing Friday and Sunday. Lastly, they will prepare themselves for the poster presentation.

### Last Week's Events

04.25.08	Team: Met with advisor, developed design.	2.50h
04.28.08	Hallie: Worked on poster.	1.50h
04.29.08	Hallie: Tested/fabricated design, worked on poster, analyzed data.	12.0h
04.30.08	Hallie: Worked on video.	1.00h
05.01.08	Hallie: Worked on video.	1.00h
04.29.08	Joel: Purchased weights and springs.	1.50h
04.30.08	Joel: Worked on poster, picked up poster.	0.75h



April-

May-

Tasks	1 7	1 8	2 2	2 3	2 5	2 7	2 8	2 9	0 1	0 2										
Project Research																				
Brainstorming																				
Prototype Design																				
Prototype Building																				
Testing																				
Re-designing																				
Re-testing																				
Meeting with Client																				
Group Meeting																				
Presentation																				

**Expenses**

Date:	Item:	Cost:	Comments:
04.04.08	3/16 “ Aluminum rod 4- 1” and 3- 12”	\$10.05	With tax and shipping
04.11.08	Compression Springs	\$18.04	With tax and shipping
04.19.08	SPDT Micromini Toggle Switch	\$3.99	
04.19.08	Calculator Silver-Oxide 1.5 V Battery	\$4.99	
04.19.08	6VDC Micro Super High Speed Motor	\$3.99	
04.19.08	Poly-methyl-methacrylate	\$2.99	