

Motor Skills Tester

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National Primate Research Center
Department of Anatomy*

*Team Members: Kailey Feyereisen (Leader)
Gina Stuessy (Comm's)
Cali Roen (BSAC)
Lacey Halfen (BWIG)*

Week of November 5 through November 16, 2006

Problem Statement

Design an apparatus to test the fine motor skills of rhesus monkeys that minimizes the cognitive portion of problem solving; should be easy to clean, durable, adjustable for human testing, and attach to cage securely.

Last Week's Goals

- Get Lexan and possible epoxy or other adhesive from Bruce
- Begin construction of device

Summary of Accomplishments

- Group Meeting (11/10): Meeting to discuss goals for the week and design. Discussed in greater detail construction of the device and procurement of the materials.

This Week's Goals

- TB tests so we can get into the lab and inspect current device in greater detail (obtain measurements and get better idea of system that the device will work in).
- Begin construction and finalize design for device.

Individual Goals

Kailey: Make sure group has required test to see monkeys

Gina: Contact client about possible meeting with client to see current device.

Cali: Put together rough schedule of times when at least two members will be able to work in the machine shop.

Lacey: Keep website current

Rough Schedule

09/08-09/15: Met with client

09/15-09/22: Developed problem statement, researched, and began brainstorming

09/22-09/29: Continued brainstorming, assigned parts and assembled rough PDS

09/29-10/06: Developed preliminary design ideas, continued research, and began rough draft of mid-semester report

10/06-10/13: Continued work on mid-semester presentation/paper parts

10/13-10/20: Assemble PowerPoint, give presentation, and assemble report
10/20-10/27: Edit report and turn it in, begin focus on final design, locate materials
10/27-11/03: Contacted Bruce about materials, submitted machine shop permission slips
11/03-11/10: Begin work on prototype
11/10-11/17: Continue work on prototype and begin testing if possible
11/17-11/24: THANKSGIVING
11/24-12/01: Assign parts of presentation, paper
12/01-12/08: Assemble presentation, edit paper, and give presentation
12/08-12/15: Hand in final report

Difficulties

With midterms this week, the project is still lagging. Now that exams are over for some time, we will kick the project into high gear.

Activities:

	Hours
Kailey: Team meeting, design finalization/detailing construction	1
Gina: Team meeting, emailing	1
Cali: Team meeting, materials research	0.5
Lacey: Team meeting, work on website, materials research	0.5

Hours to Date

	Hours
Kailey:	23
Gina:	22
Cali:	22
Lacey:	21.5

Expenses

No expenses to date