Plans for Next Semester:

We have several goals for the next semester. The first is to extensively test our two retrofitting designs, secondly we would like to explore optical technology further. Finally, we plan to make at least one design able to interface with a game cube successfully.

- **January (before classes start):**
  - Have a testing device for the push button retrofit completed
  - Have a testing device for the radial array retrofit completed

- **End of January:**
  - Testing on each of the devices has begun
  - Exploration of Optical mouse technology has begun

- **End of February:**
  - Modifications suggested by testing have been implemented into testing devices
  - Modified testing devices have begun testing
  - Have Optical mouse program able to detect where it is in the “grid”

- **End of March:**
  - Final models of retrofit devices have been built
  - At least one device has been soldered into a game cube controller
    - Begin testing with the gaming console itself
  - Have Optical Mouse able to output based on it's location in the “grid”
    - Have the output be LEDs
  - Begin testing of Optical Mouse design
  - Begin preparations for E-days

- **End of April:**
  - Complete work for E-days
  - Have both retrofitted controller designs able to interface with a game cube

- **End of Semester:**
  - Written Report
  - Oral Report
  - Suggestions for future groups