Cuyamaca College

Engineering Club: Build Team Meeting

Agenda

1. Administrative Announcements
2. Team Discussions
3. Group Picture
4. Next Meeting
5. **Administrative Announcements**
6. Check website for updated information ([cuyamaca.edu/engrclub](http://cuyamaca.edu/engrclub))
7. Officially appoint Jeremy B. and Jeremy M. team leads
8. Project Update
   1. FAA Regulations – Launch Site Requirements
   2. Mt Carmel Launch
   3. Landing projection models => Drive launch site selection
9. Professor Lehman
   1. Grossmont Chemistry Professor
   2. Experienced with amateur rockets
   3. Helped with Mt. Carmel HS Balloon Launch
   4. Brother is an Electrical Engineer
   5. Requested donations from QualComm (MC: Radio & GPS), GoPro, & Contour
   6. Letting us use his Canon Camera with firmware installed
   7. Researching Particle Collector design elements
10. **Team Discussions**
11. Teams form up into groups
    1. Discuss team projects
12. Team Specific Updates
    1. Launch Site Selection Team
       1. FAA regulations update
       2. Landing Projections => Drive Launch Site Selection
          1. Determine if we can launch from Grossmont or Cuyamaca
       3. Set up computers
          1. Show what Mt. Carmel HS did
          2. Show models
    2. Particle Collector Design Team
       1. Enhance design with team feedback
       2. Develop parts list
       3. Develop build schedule
       4. Determine deadlines
       5. Coordinate with Micro-Controller Team
    3. Micro-Controller Team
       1. Pressure sensor status
       2. Feasibility projections
       3. Develop parts list
       4. Develop build schedule
       5. Determine deadlines
13. Team Presentations
    1. Launch Site Selection Team
    2. Particle Collector Team
    3. Micro-Controller Team
    4. Misc. Project Items
       1. Helium – Emilio
          1. 65-75 ft3 required
          2. WestGas Air
          3. Request donation from welding shop on campus?
       2. Cold Temperature Electronics Testing - Jeremy M. & Kevin R.
          1. SDSU cold freezer
          2. Determine number of hand-warmers required
14. Integrate Timeline
15. Integrate Deadlines
16. **Group Picture**
    1. Take a group picture
17. **Next Meeting**
18. All meetings will be build team meetings until after balloon launch
19. Professor Lehman will be attending
    1. Update on his inquiries
    2. General Q&A
20. Manufacturing Engineer guest speaker 03/17/12 (build team meeting following)