Cuyamaca College

Engineering Club: Build Team Meeting

Agenda

1. **Project Updates**
2. **Create Integrated Timeline**
3. **Group Picture**
4. **Break-up Into Teams**
5. **Next Meeting**
6. **Project Updates (22 days left)**
7. KUSI News Interested In US
8. Duracell Battery Pack
   1. purchased and on hand
9. Motorola I290 (GPS Phone)
   1. purchased and on hand
   2. iDEN network has limitations
   3. Need an external antenna
10. Balloon
    1. 6 ft Diameter at launch
    2. Requires 113-120 ft3 of helium
       1. $35.00 for 53 ft3 bottle
       2. $105.00 for 3 bottles
    3. Lifting capability 3.6 - 3.8 lbs
11. Parachute modification
    1. Progress Update
    2. Need new lines
       1. Fishing line tangles easily, may not be a good choice
       2. Other ideas
12. Micro-Controller Update
    1. Flip Mino HD brief discussion of plan
    2. Pressure Sensor
    3. Strobe Light
13. Particle Collector Update
    1. Design complete
    2. Sealing cells compound
    3. Develop parts list
    4. Give Diego and Philip specifications for parts that must be printed
14. Capsule Update
    1. Shaper Studios
       1. Allow us free use of tools and studio
       2. Unable to donate surfboard blank
    2. Talk to studio about alternatives to full donation
       1. Scrap foam, Recycled foam, etc.,
    3. Hold vote to buy surfboard blank
       1. If surfboard shaped, we have a better story for local media
       2. Balloons have been launched before, makes ours unique
       3. $50.00 - $60.00
       4. Take donations if vote fails
15. Launch Site Selection/ Landing Modeling Update
16. **Create Integrated Timeline**

1. Calendar

2. Work backwards from launch

3. Each team must develop design and build time line

1. **Group Picture**

1. Take a group picture

1. **Break-up Into Teams**
   1. Discuss
   2. Design
   3. Build
2. **Next Meeting**
3. All meetings will be build team meetings until after balloon launch
4. Manufacturing Engineer guest speaker 03/17/12 (build team meeting following)