Lesson plan, Prototypes to Products, Day 1

Props
- Camera
- Prototypes
  - Mars foam core cage
  - Pick prods
  - Cardboard rocket
  - TacShot rocket
  - Flail head

On board:
- Class name, number
- Team outline
- Individuals’ outline

Handouts:
- Syllabus
- IP policy
- Grading Policy
- Contact info
- Sign in list
- Team Selection cards (attached at end…)

Intro (10 min)
- Agenda
- Goals
  - Get products into the field
  - Teach product design
  - All projects at different phases, no one plan, self motivation

Student introductions

Explain team selection (5 min)
- Get to know projects
- Select appropriate projects for this class
- Match students w/o projects to teams

Write outline on board

Teams
- Name of project
- Brief description
- Who is the target community / community partners
• History of project, what has been done? (classes, contests, prototypes, previous work etc.)
• Long term goals
• How many people on team, are you recruiting new team members?

Students w/o teams
• Name, year, major (write on board)
• Previous project experience / other experience
• Why you are taking this class

10 minutes to prepare

Student presentations (2-3 minutes each)

Prototypes presentation
• Looks like
• Works like
• Made like
• Alpha
• Beta
• Manufacturing Prototype
• Bad idea

Optional discussion: What level of prototyping are you at?

Team selection cards (with emails)
• “I will email everyone with a list of which teams will be in the class and who will be on which teams.”
• Drop date is today, please talk to me after class if you do not want to be on a team

Homework

Optional: photos of students
## Team Selection Cards

<table>
<thead>
<tr>
<th>Team Name:</th>
<th>Students w/o projects</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Name:</td>
</tr>
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<td>List 2-3 (or more) projects you would like to join, in order of preference:</td>
</tr>
</tbody>
</table>

<table>
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<th>Current members of team (in this class)</th>
<th></th>
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<tr>
<td>Name</td>
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**How many new team members are you looking for?**

**List any new people you would like to join team (in order of preference):**

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