Education Robot Concept Presentation:
- Mechanical side:
  - Build the catapult (from last year)
  - Build something simpler with same parts
- Electrical side:
  - Main CPU housing contains communication bus
  - Node CPUs would be simpler (like HS robot setup)
  - Careful with ground loops
  - Allow separate power supplies in addition to bus supply
  - Physical links:
    - Ethernet, high power draw
    - I²C, low bandwidth
    - CAN, most promising, bulky cable?
  - For node identification:
    - Plug and play:
      - IEEE standard
      - USB style

Suggestions:
- Buy processor right away, give enough time for software development
- Use a node as a DSP instead of onboard DSP
- Add a factor of cost per processing power (trade study)
- Shoot for university level
- Use open source processor for nodes
- Port expandability:
  - Max number of ports?
  - Ability to add more?
    - Use CAN to keep more flexibility
- Email Joe with status updates
- Include specs for bigger parts without building
- Get a list of parts to buy versus build
- Build catapult very soon
- Get the rules out for review
- Talk to Becky for purchasing
- Concept generation due Friday
- Thursday:
  - Define new rules
  - Finalize concept generation