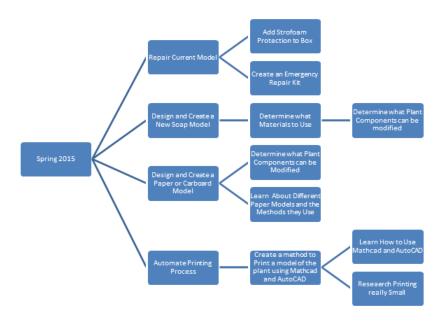
Detailed Task List: Small Scale Plant Model Team

Ed Cheng, Jenny (Ruoyu) Yin

Task List

Task Map



Task Details

- 1. Literature Review/February 4th -- Ed, Jenny
 - a. Read and understand the team's final report from past semester
 - b. Right research reviews
- 2. Repair Current Model/March 6th -- Ed, Jenny
 - a. Correct current Rhinoceros replacement pipes file that so it can be printed -- Ed
 - b. Print the replacements
 - c. Attach the new pieces to the current Plant
 - d. Add styrofoam protection to the current plant case
 - e. Create an Emergency Repair Kit for teams to take when traveling with the model
- 3. Complete Design Trainings/February 23rd -- Jenny
 - Learn how to use AutoCAD and MathCAD
- 4. Design and Create a New Soap Model/April 4th -- Ed, Jenny
 - a. Determine what materials to use.
 - i. 3D printing
 - ii. Soap
 - iii. Brown Powder

- iv. Plexiglass
- v. Plastic
- b. Determine what plant components to modify
- 5. Design and Create a Paper or Cardboard Model/April 25th -- Ed, Jenny
 - a. Design a template that can be downloaded then printed
 - b. Determine which plant components can be modified
 - c. Learn about different paper models and the techniques they use to model their technology
- 6. Automate Printing Process/May6th -- Ed, Jenny
 - a. Do research on of 3D printing with AutoCAD
 - b. Learn how to convert a sold into a mesh in AutoCAD
 - c. Determine which functions and commands to use when converting solids to meshes. Figure out if new plugins are needed