



**PROJECT COMPONENTS:**

Completion of a student project is a requirement for this course. The components of the project are...

**Online Journal: Documentation (webpage devoted to your project)**

- Submit an engineering proposal that outlines your project ideas.
- Weekly journal entries that document updates your project with any notes, pictures or video clips.
- Discussions with a mentor whether it be emails, skype or visit.

**Techpoints:**

Complete a choice of optional activities that demonstrate the following three components:

- Promotion of technology
- Exploration of technology
- Application of technology
- A maximum of 100 TechPoints may be accumulated.
- Accumulation of these points will be done on an inventory sheet.

**Completion of two student projects is a requirement for this course. The components of the project are...**

**Part I: Presentation**

- Develop an engaging presentation for the class that reflects and summarizes your project.
  - Visuals should be included (graphs, pictures, videos, etc.).
  - Duration will be 5 minutes.

**Part II: Summary Video**

- Explanation of setup and equipment needed.
- Demonstration of the project.

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**TASK #1** – After you have researched the technologies, now need to find a partner and begin to work together on your project. Keep in mind that the MakerSpace technologies are available for all groups but we are hoping that a pair of students will take ownership of a particular technology. As well, more than one technology can be used in a final project build.

Save an electronic copy (found on MakerSpace page) and rename as your group...

- (1) Outline your objectives...what would you like to do using the available technologies.** This could include further developing the technology, expanding on the technology or applying the technology. One important aspect of any build is communication. Be sure to visit any websites related to the technology, sign up for any newsletters/forums and check out the social media sites.
- (2) Document all of these resources on your proposal by making hyperlinks.** It will be important to research the technology and search for possible ideas/designs/builds. Your final build does not need to be unique but be sure to customize for your own needs.
- (3) List materials needed, include designs through sketches/pictures...copy and paste into proposal.**

**DUE: TASK #2 Project Proposal must be completed by Tuesday, Feb. 16<sup>th</sup>.**

**[ONLY ONE PROPOSAL PER GROUP NEED TO BE SUBMITTED]**

**NOTE: This will be evaluated in the Part I Documentation (see above)...same mark for both in the group**