

PROJECT COMPONENTS:

Completion of 2 student projects is a requirement for this course. The components of the project are...

1) Documentation (including a webpage devoted to your project)

- *Submit an engineering proposal that outlines your project ideas.*
- *Written weekly Google C-Doc entries with pictures, notes and troubleshooting.*
- *Bi-weekly online journal entries that document your progress with any notes, pictures or video clips.*

2) 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.

3) Summary Video

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

You have been introduced to a number of technologies and have been showcased a variety of project ideas. It is now time to begin researching a project idea of your own. Keep in mind that a project idea can be an extension of something that has been done before and you can make it your own. It is key to have a guide/resource that will help you through your project whether it be an Instructable, a YouTube channel, a developer website and any other electronic resource that will assist in your learning. Bookmark these sites as they will be used in your next task which will be submitting a Project Proposal. Here are some great sites to help with your search for a possible project idea...

<https://www.brilliantlabs.ca/learn> → check out their innovation challenges

<http://www.instructables.com/technology/> → click on drop down menu with Technology to see types of builds

<http://www.instructables.com/classes/> → any of these would be a good way to start into your project

<https://makezine.com/projects/> → change level of difficulty and duration to refine your search

<https://learn.adafruit.com/> → hover over learn tab to see the variety of guides available

<http://microbit.org/ideas/> → we have 5 of these in stock!

<https://www.hackster.io/raspberry-pi/projects> → we have 1 RP1, 2 RP2's, 4 RP3's & 1 Raspberry Zero

<https://www.pinterest.com/utahcoe/engineering-diy-design-tips-etc/>

NOTE: Be sure to check the homepage/social media sites of any technology you are interested in too! Many times they will have project ideas on their own sites.

MAKE SURE THAT WE HAVE THE NECESSARY MATERIALS/EQUIPMENT FOR YOUR PROJECT IDEA. OTHERWISE, WE WILL NEED TO SUBMIT ANOTHER PROPOSAL FOR PROJECT #2 TO ORDER THE NEEDED MATERIALS!