

**PROJECT COMPONENTS:**

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

- 1) **Documentation**
    - *Submit a project proposal that outlines your project ideas, resources materials and designs.*
    - *Written weekly Google C-Doc entries with pictures, notes and troubleshooting.*
  - 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) **Tutorial Video**
    - *Explanation of setup and equipment needed.*
    - *Demonstration of the project.*
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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

<https://www.youtube.com/channel/UC-hZtA0UUEzndBMm1wlme4Q> → MVHSMake YouTube Channel

<https://www.youtube.com/channel/UCadmqlZlcXTmxg9JWjE-lxw> → BHSMake YouTube Channel

<https://www.hackster.io/raspberry-pi/projects> → we have Raspberry Pi 2, 3 and Zero

<https://www.pinterest.com/utahcoe/engineering-diy-design-tips-etc/> → check out the tech category

**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!**