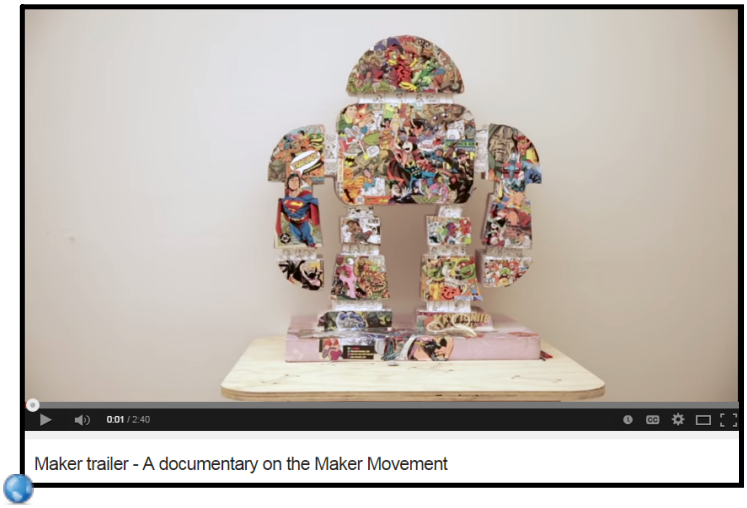
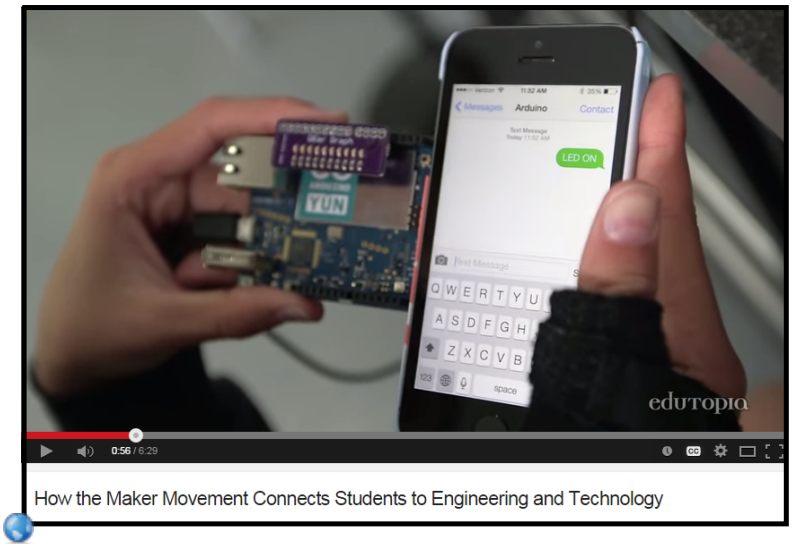
What is MAKE? What is a MakerSpace?



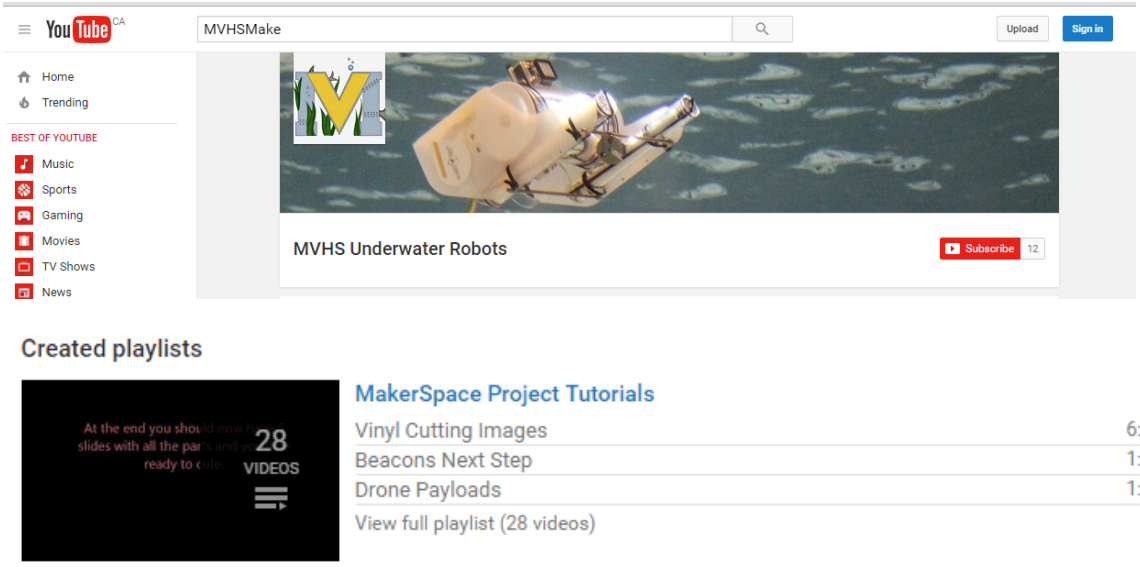
Goals of the course...



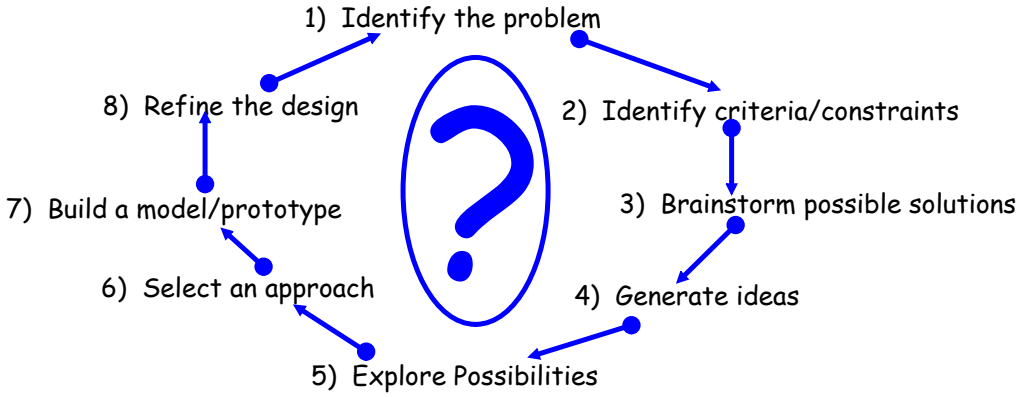
MakerSpace Highlights Fall 2017.mp4

#MVHSMake

https://www.youtube.com/channel/UC-hZtA0UUEzndBMm1wlme4Q



Engineering Design Process...



1) State the challenge in your own words.
2) Specify the design requirements.
3) **Sketch your ideas to solve the problem.** Labels and arrows identify parts and how they move. These drawings should be quick and brief.
4) Develop two or three ideas more thoroughly. Create new drawings in 3D and be neat.
5) Share ideas among team members...discuss pros/cons and make note on your drawings.
6) Identify the best design to solve the problem and write a statement to justify your choice.
7) Construct a full size or scale model.
8) Evaluate the design based on criteria/constraints. Changes may be needed and identify any problems. Propose a solution by beginning at step (1) again!

Engineering Notebook...MUST HAVE ONE!!!

- record ideas, inventions, experiments, observations and all work details.
- detailed notebooks can be used in a patent process.
- include details with dates...methods, designs, troubleshoots, observations.

* someone should be able to read and understand your thought process!

- sign the bottom of the page whenever you start a new page.
- only you can write in your notebook.
- do not erase errors...just draw a single line through the entry with your intials.

Attachments

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