Independent Design Challenge 2 (IDC2): The Final

In your last design challenge you had 5 weeks to complete a project of your own inspiration. You encountered obstacles. You overcame obstacles. You witnessed a range of results from ‘what is possible’ in that time, to what happens if you underestimate the time it takes to get results. You’re better informed now.

You have another 5 weeks to complete this class. You will do so by completing, ***COMPLETING***, 1 of 2 projects:

1) A second iteration of your IDC1 object *in response to the feedback you got from your classmates and me*.
2) A new concept of your choice, still incorporating the feedback you got from your classmates and me, as it applies to your new concept.

And YES, it must incorporate an Arduino (microcontroller), circuit and code of your design.

<u>In addition</u> to this feedback, your second design must also address the following:

1. One *NEW* 3D printed or laser cut part of your design.
2. Craft quality / appearance must be noticeably improved.
3. Durability must be addressed (ex. Soldered circuits replace breadboards, no impermanent materials, like tape.).
4. Visual Documentation: thoroughly document IDC1 objects before “cannibalizing” them for needed parts. Final documentation must show before-after/ first-second project images/videos.
5. Written documentation must be included to describe the inspiration, the first result, the changes you address between IDC1-IDC2, and the challenges overcome between IDC1/IDC2. (250-500 words.)
6. Submitted Documentation: Each project should be submitted in CANVAS as a PDF (with links if needed) or website, portfolio page of a website, etc.

This project *will follow a rubric*. It will consist of these general components:

1. Fidelity: It will function in a way that reflects the feedback you get from IDC1.

2. Functionality: It will work, in and of itself, *fully*, in the way you intend.

3. Activity, Reactivity, Interactivity: If your first version is one-directional, you will receive a higher point total for making the project two-directional, *dialogic*, i.e. an interaction between the audience and the object.

4. Fabrication: It will incorporate a new element of digital fabrication ***designed by YOU***. It can be any component.

5. Construction: It will not consist, or appear to consist, of cardboard, various tapes, hot glue, etc. In other words, the details of its appearance will not be a secondary consideration. This includes the unnecessary appearance of wires, the microcontroller, etc; It should look like an object designed to *do what you say it is designed to do*.

6. Documentation/Portfolio: You will document your work with a combination of writing, images and or videos explaining your process, progress, and final results.

Here is the RUBRIC.

Due Dates:

FINAL DUE DATES: WE MUST CHOOSE!

Demos: April 24th *OR* May 4th, 4:30-7

Docs: May 1st *OR* May 5th

PROs and CONs of choosing same subject / new subject:

SAME SUBJECT:

Pro: **No new brainstorming on the subject.**	Con: **Much more weight lies in the execution.**
Pro: **You have direct feedback *AND* more experience.**	Con: **More weight on your ability to balance feedback and your personal perspective.**

NEW SUBJECT:

Pro: **Diversify your experience.**	Con: **You have a new subject *AND* a higher expectation of the results.**
Pro: **Rediscover your curiosity.**	Con: **Prove to yourself that your curiosity covers the basics.**