***“Common sense is not so common”***

* *Voltaire*

This week you will apply what you have learned in the previous weeks and put it into practice to develop a short, “sprint” project.

You must use a microcontroller (one input and one output) and at least 3 FabLab processes. Machines are not processes.

* Onus is on the student, not the instructor.
* Approach this as a challenge.
* Narrow the scope of the project to something achievable in the time we have.
* Use your common sense!
* Use this as an opportunity to practice on the machines.
* Manage your resources and time appropriately.
* Iterate as many times as possible.
* Progress gradually in the resources you use. Prototype smartly.
* Questions are always ok!
* Not knowing how to do something doesn’t mean you can’t do it. The key is to know how to find out.
* Something personal is always a better starting point - you already know a lot about yourself. Market of one.

Design Thinking

Design Cycle - Engineering Design Cycle

Brainstorming

Semiotics

Design Review Process