

Informal Meeting about the Learning Centre next year. March 23 2012

Chris, Emily, Devyn

Trying to figure something out for your own reasons. Self motivated.

Labs in class are rushed, too much data collection and not enough time to think about what is actually happening or how it might be useful.

Apply class knowledge, give motivation and usefulness to the knowledge we gain in lecture.

Repairing e-waste material.

- learn by repairing broken hardware.
- learn how things are made and how they fail!
- there are many repairs that are easy to make and teach you a lot.
- build a power supply!

Taking things apart!

- tear down with someone present to ask question.

Project ideas:

MOSFET to drive a motor.

- build a full H-bridge
- learn about flyback diodes and power dissipation and gain.
- circuit architectures, NMOS vs PMOS

Something that moves, use cell-phone control, software api development.

- sumo bots
- line followers
- bumper bots
- photovoresroup

Chris has 5 courses next year and is looking to get involved.