





- Develops material for and educates teachers in embedded systems and electronics in order to get more engineering into basic education.
- Works with getting rapid prototyping and digital design methods into Swedish slöjd education.
- Previously antenna designer at Sony Ericsson.
 - Worked closely with industrial designers and mechanical engineers.



4/9 Tuesday 7/9 Friday	Lecture Course information and introduction to concepts. <i>Moved</i>
11/9 Tuesday	Laboration LittleBits
14/9 Friday	Lecture Electronics and embedded systems. Register project groups. Laboration Arduino Register project name.
18/9 Tuesday	Lecture Programming
21/9 Friday	Not in schedule!?
25/9 Tuesday	Lecture Programming part 2 Delivery of parts for project
28/9 Friday	Lecture Content to be decided
2/10 Tuesday	Moved
5/10 Friday	Project group meetings (All groups have one meeting this week)
9/10 Tuesday	Project group meetings (All groups have one meeting this week)
12/10 Friday	Lecture Design for manufacturing
16/10 Tuesday	Project group meetings (All groups have one meeting this week)
19/10 Friddy	
2/11 Friday	Deadline for the report and video.























Quick and Dirty

- The quick and dirty prototype
 - Facilitates communication
 - Gives a first idea of look and feel
 - Test/roleplay experinece









- All electric components present
- Test functionality
 - Does motors, lights etc. turn on and off as intended?
 - Does displays give the right message?
 - Do the inputs and sensors work?



Next steps

In some order:

- Look and feel
 - Handmade
 - CAD/3D-printed mockup
 - Etc.
 - Possible to "fake" functionality
- Integrated prototype

Then:

- Production prototype
- Refinements...







"They slow us down to speed us up. By taking the time to prototype our ideas, we avoid costly mistakes such as becoming too complex too early and sticking with a weak idea for too long." – Tim Brown

"THE FIRST ONE IS ALWAYS A PROTOTYPE"

First assignment:

- The project will be done in pairs, find a partner before Tuesday!
- Start thinking about ideas, but don't get stressed / locked in yet: the labs are intended to give inspiration!