Time to make lemonade

• We received new support material (wax) for the ProJet on Tuesday.
• The printer refused to accept it.
• We’re on the phone with support. Stay tuned.
• The FDM machine also broke yesterday.
PCB Milling

• Two remaining chances:
  Wednesday afternoon (today!)
  Friday afternoon (cutting it very close)
Presentation Guidelines

- 4 minutes, Google Presentation as before
- Assume audience has NOT seen your project before (give motivation, perhaps highlight of observation)
- Show a demonstration of your device working (brief edited video clip that you narrate over)
- Give high-level overview of implementation (photos of the inside, network diagram, …)
- Give some other evidence of utility (user feedback, summary of data collected, …)
- Tell the audience what would come next (features not implemented, tested, etc)
Demo Guidelines

• 30x40” poster templates online
• We’ll print for you if you submit by Friday
• Let us know if you need wired network access for your Pi/…
• Think about how to best give an interactive demo – will likely involve props.
SURFACE FINISHING
PRODUCT PHOTOGRAPHY
HOW TO MAKE YOUR PRODUCT
LOOK LESS LIKE THIS....
... AND MORE LIKE THIS.
The Recipe

• Set your product up in a light tent. (even illumination)
• Put your camera on a tripod and use a timed shutter. (eliminate shaking)
• Shoot RAW images. (post-editing of white balance)
• Adjust contrast, exposure, crop afterwards.
• Shoot many images from different angles, with and without hands/people.
Camera settings 101

• Aperture: lens opening
  – Larger aperture (smaller f-number)
    = shallower depth of field
  – F8-F11: Crisp, everything in focus
  – F1-F5: Parts in focus, parts blurred

• Exposure time:
  – Can’t reliably hold < 1/30 sec by hand.

• ISO setting: sensitivity to light
  – ISO 50-100: best image quality, lowest sensitivity
  – Use low ISO and tripod.

• NO flash.

• RAW, not JPEG
Adobe Camera Raw
COURSE FEEDBACK
• What should we keep/expand?
• What should we change?
• Should we make the pace faster/slower?
• Any important topics we missed?