Product teardown
Part of a benchmarking process

teardown exercise

practice the process: relevant to sketch models
learn about products related to your idea area
observe design details
practice secondary research
organize information so others can understand it
practice organizing team to work quickly
Product teardown
Deliverable from each team at end of class

a white pegboard display that allows one to…
easily understand the product
easily see what parts are in the product
obtain specified information about the parts/product
Product teardown
Example: scanner
Product teardown

Resources for each team

resources

a product to teardown (on team table)
safety glasses (yours for the term and to keep)
white peg board mounted to team table
zip ties and foam mounting tape
baggies for small parts
guidelines for identifying plastics (also on website)
magnets and lighters for materials identification
scales for weighing parts
guidelines for estimating costs (also on website)
your smart phone cameras (email to 2009printer@mit.edu, pickup 4"x6" photo in 2009 area)
product and part information stickers
Product teardown

Product information sticker (2, one needed)

you will want pictures of the assembled product (and in use as appropriate)

images at key disassembly states

packaging and the unpacking experience are part of the product
Product teardown
Part information sticker (100, as needed)

Part material:

Method of manufacture:

Estimated manufacture cost:

Number of times used in product:

For every answer indicate your confidence:
- Guess
- Hunch
- Educated estimate
- Know/verified
Teardown exercise

Getting started

i) go to your team area in the lab
   your product and materials are on team table

ii) put on your safety glasses

iii) develop a work and management strategy

iv) complete the deliverable

v) tool officers have your tool kit combination

and remember…

these products gave their lives for education…
   so enjoy and learn from the displays!