teardown

exercise purpose
practice part of the product benchmarking process
observe design details
practice secondary research
practice organizing your team and getting the job done
organize information so others can understand it
start working in your team’s space
example

a scanner teardown
instructions

deliverable. A pegboard display to understand what the product is, see what parts are in the product, learn about part materials and costs.
instructions

deliverable. what to display?
the product’s parts
pictures of the product’s unpacking
pictures of product at key disassembly stages
the product’s packaging
instructions

resources. for tearing down
safety glasses with your name on them!
a product to teardown
your team’s tools
learn about part materials and costs
instructions

resources. for researching your computer devices guidelines for identifying plastics magnets and lighters for materials identification guidelines for estimating costs scales for weighing parts a costing expert consultant
instructions

resources. for displaying
foam mounting tape
zip ties
bags for small parts
your phone cameras
dropbox link on website to print 4x6 photos
black sharpies
stickers for product and part information
instructions

resources. for displaying product information sticker (2 sheets)

<table>
<thead>
<tr>
<th>product name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>target customer:</td>
</tr>
<tr>
<td>retail cost:</td>
</tr>
<tr>
<td>estimated production volume:</td>
</tr>
<tr>
<td>location of manufacture:</td>
</tr>
<tr>
<td>estimated labor cost:</td>
</tr>
<tr>
<td>cost of the most expensive part:</td>
</tr>
</tbody>
</table>
instructions

resources. for displaying part information sticker (15, 6 sticker sheets)

<table>
<thead>
<tr>
<th>part material:</th>
</tr>
</thead>
<tbody>
<tr>
<td>method of manufacture:</td>
</tr>
<tr>
<td>estimated manufacture cost:</td>
</tr>
<tr>
<td>number of times used in product:</td>
</tr>
</tbody>
</table>

indicate data quality guess, hunch, estimate, know
getting it done

go to your team area!
things are laid out to help you organize
pickup a kf94 mask if you don’t have one
put your safety glasses on
tool officers, open your team’s cabinets
develop a work plan (teardown, research, display)
if your product has a battery, consult with us first
complete the deliverable, safely
have your team picture taken
enjoy the displays!