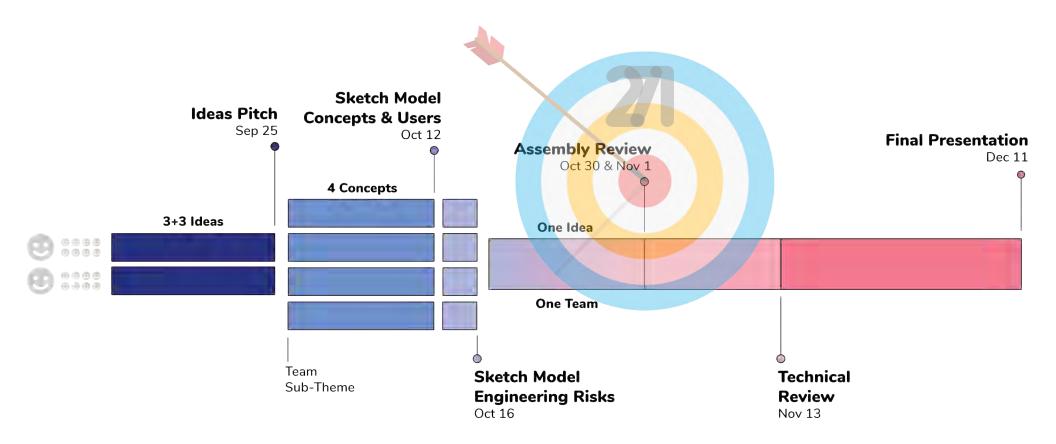
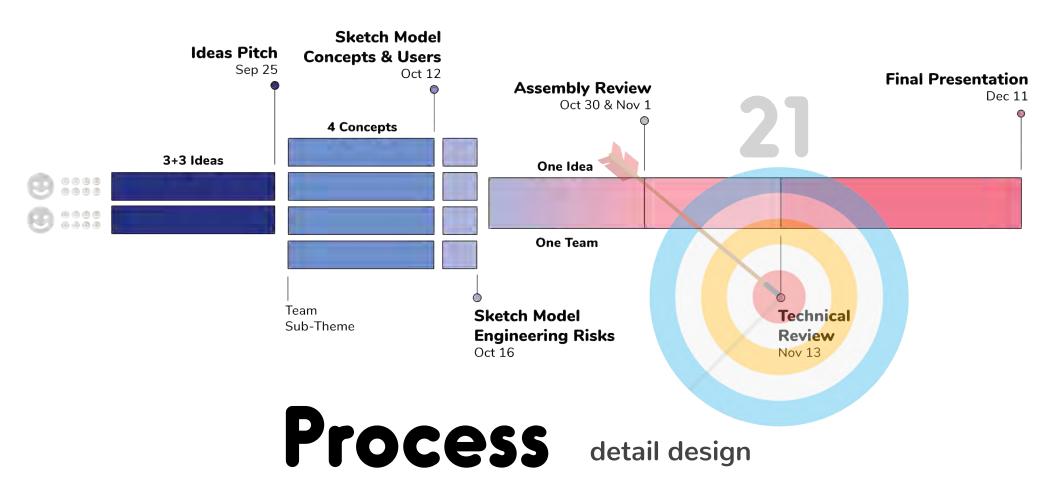


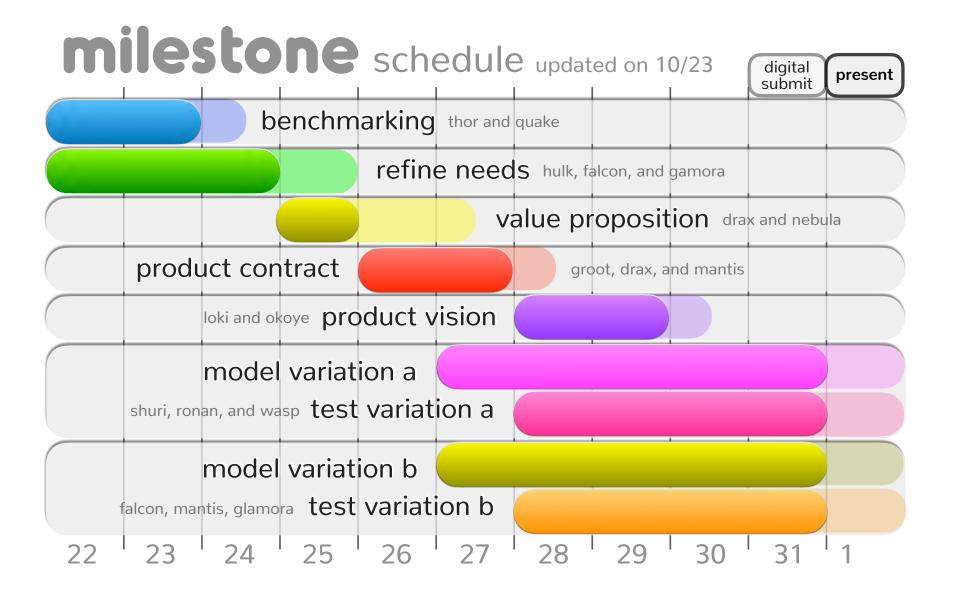
# learning is not compulsory and neither is survival

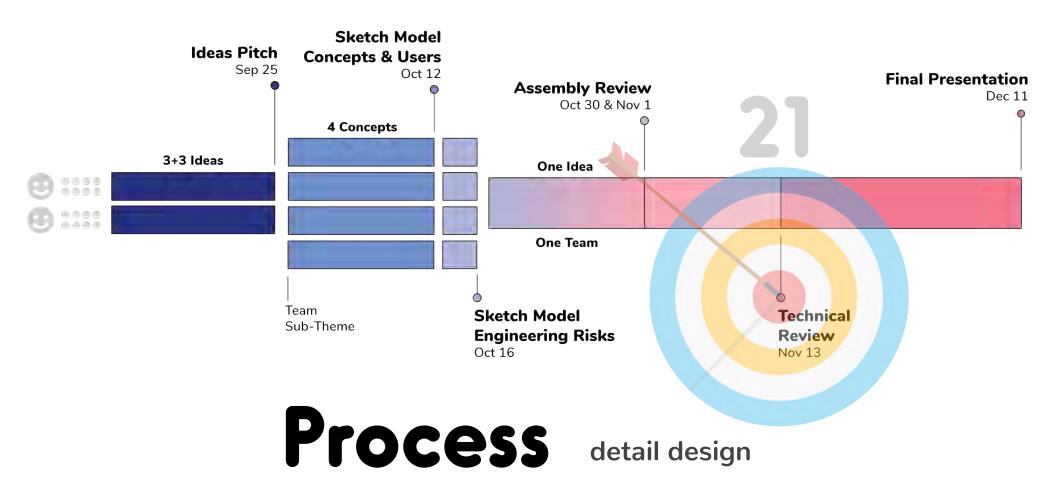
W. Edwards Deming, 1900-1993 modern quality management, father of the Japanese post-war industrial revival

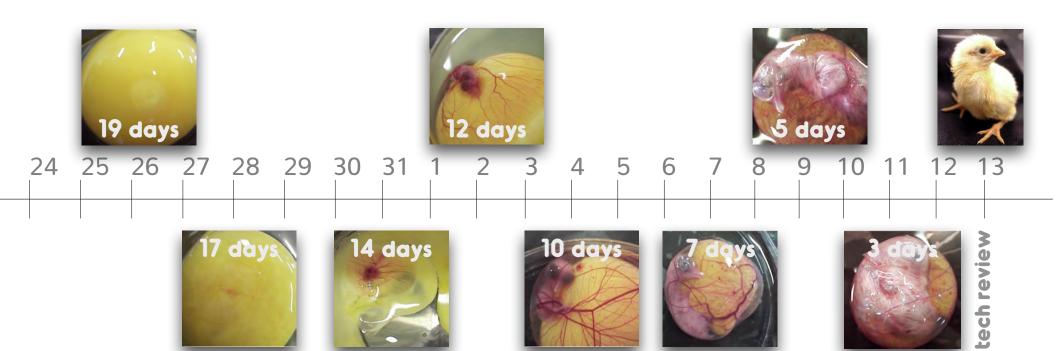


# Process detail design











# learning is not compulsory and neither is survival

W. Edwards Deming, 1900-1993 modern quality management, father of the Japanese post-war industrial revival





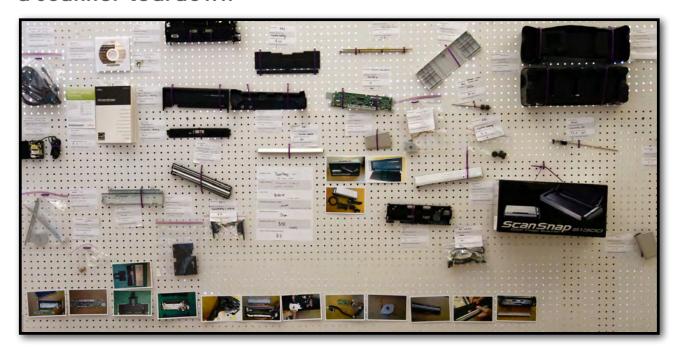
### teardown

#### exercise purpose

observe realistic design details
practice part of the product benchmarking process
more secondary research practice
more practice organizing your team and moving fast
organize information so others can understand it
create a display of design details for all teams!

## example

#### a scanner teardown



deliverable. a pegboard display to understand what the product is see what parts are in the product teach about part materials and costs



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

resources. for tearing down safety glasses with your name on them! a product to teardown your team's tools

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

resources. for displaying 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

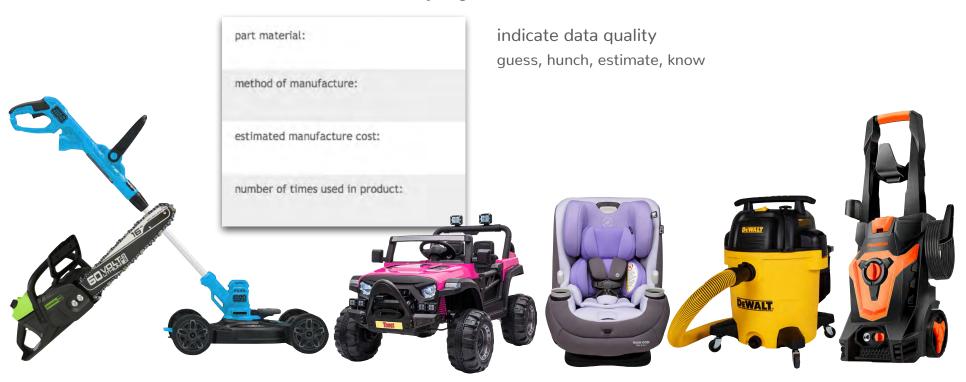
#### resources. for displaying



#### product information sticker (2 sheets)



#### resources. for displaying



## getting it done

#### go to your team area!

things are laid out to help you organize 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 safety officers! have your team picture taken



## are giving their lives for education

so please learn and enjoy the displays!

