consultation feedback
fall

product design classes
that count for the minor

pdes 3701/5701 creativity, idea generation, and innovation
thurs, 2:30-5:15, 3 credits

pdes 3702/5702 concept sketching and rendering
tues, 2:30-5:15, 3 credits

pdes 3703/5703 product form and model making
tues, thurs 6-9, 4 credits

pdes 3706/5706 designing for manufacture
mon, wed, 9:05-11, 4 credits

mgmt 3010 intro to entrepreneurship (design section)
tues, thurs 9:55-11:35, 4 credits

des 3131 user experience in design
mon 3-545, wed 5:10-6:00, 3 credits

des 3321 furniture design exploration
tues 6:20-8:50, 3 credits

mgmt 4171 entrepreneurship in action
mon, wed, 3:45-5:25, 4 credits

me 2011 introduction to engineering
mon, wed, 2:30-4:25, 4 credits

ce(ge) 5571 acara global venture design
fri, 9-12, 3/4 credits

espm 3603 environmental lifecycle analysis
tues, thurs 3-4:15, 3 credits
Budget!
last sketch model average $450
Budget!  $1250 max
average to date = $875
design consultation

50 reviewers

creative kid stuff, target,
3M, general mills,
medtronic, landscape
structures, (chris
straub), us news,
UMN...

marketing, engineering,
design, toy experts,
former students
The Data

I can foresee this being a successful playground product and the team is on track for success with this direction

keep in mind:

people will be biased if your prototype did not work well
ideas seem less good if you can’t explain them
going forward we are refining the ideas
to be closer to being a real product

don’t marry an idea
design is for other people, not yourself
improvement

sketch model scores to this round of prototypes
Magneta

![Image of Poly Fun](image1.png)

![Image of Math Balance](image2.png)

Bar chart showing:
- Poly Fun: 4
- Math Balance: 5
Red

Ball Maze: 4
Infinity Rockwall: 5
Orange

needs to work

Pogo Blaster
Pin Ball
Amber

needs to be better/different than existing competition
Yellow

Leaf Climb vs Chime n Climb
Chartreuse

maybe a variety of different panels

Sandman
Color Scape
Green

mod wall  impress me

needs to pass protrusion test
Cyan

**Birdy Bumpers**

**Ventrilodog**
Blue

benchmark, maybe not jokes
Periwinkle

![Graph showing Kidstagram and ThermoBoard]
Purple

robust better mechanism (and timer?)

Dash | Rotamaze
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Pewter

needs more texture, not this big
Gantt Charts

bar chart to visualize a project schedule to show start and end dates of key elements of the project. Also can show dependency and who does what. Can update regularly. Like a contract with your team.
unfinished example for this class

Gantt Charts

April

- Decide on a direction
- Prototyping
- Debugging time
- Finalize the design/tasks
- Order parts

May

- Marketing/business plan
- Branding/logo/name
- Packaging
- Design presentation
- Rehearse and refine pres.
- Final presentation edits
- Take photos for slides
- Costumes/Tees for pres.

“Finish version!”

Note: 3d printing or outsource turn around time, shipping time
play testing options

1 - friday apr 10, 1-345 Outside Rapson (5th graders)

2- monday, apr 20, 3:30-4:30 at Marcy Open School

only need to bring the one direction
logistics

lab tomorrow -
make a Gantt Chart
4 weeks until PLAYsentations!

clean your team bin
clean the annex bins (and courtyard materials)
peer reviews - not a replacement for talking in person

written eval documents any issues for record keeping
anonymous feedback allows people to feel comfortable sharing their thoughts
this is a standard practice in companies (like target) and in academia for promotion
kevin henry talk/workshop
public talk: thursday 3-4, 54 Rapson Hall

workshop fri/sat (online registration)
unpacking (focus on your main direction)

one comment/concern/suggestion per post-it

group comments, see what patterns emerge

end goal is to synthesize all the feedback to help inform your design

needs to be smaller for child to use

game play is too complicated for intended age group

where do all the pieces get stored?

can you make this robust for dropping and throwing?