sketch modeling

techniques
Pitches!

Knight Fights

WAND DUELS
Playtesting!
Playtesting Passports!
Playing!
Plushies!
Plushies!
Extra plushie time in PDL:
Tomorrow (Tues)
1pm-3pm, 7pm-10pm
Sketch Model Review

- **Three Ideas Presentation**
  - March 4
  - 3 ideas per team

- **Mockup Review**
  - April 15
  - 1 concept, 2 models

- **Sketch Model Review**
  - March 18-20
  - 2 concepts, 4 models

- **Final PLAYsentations**
  - May 11
  - 1 final prototype
Dimensions of prototyping

plays like
what is the play?
how is it implemented?

looks like
what is the form?
how does it feel?

predicts like
what are the physical principles?
sketch

modeling

techniques
Blue foam and foamcore

Today:
Group A — PDL
Group B — Here

Wednesday:
Group A — Here
Group B — PDL

Group A
Camel, Crocodile, Goose, Hedgehog, Hippo, Koala, Llama, Lobster

Group B
Meerkat, Moose, Narwhal, Ostrich, Panda, Squid, T-Rex, Tiger
Foamcore!

used by architects and designers for model making
Holiday Inn lobby prototype

800 sheets of foamcore! (Continuum)
Demo Time!

one sheet of foamcore
cutter: utility knife (Olfa) or Exacto
extra blades in PDL
snap off, dispose in blade box
cutting surface: cutting mat or scraps
don’t cut directly on tables or floor in PDL
guide: metal ruler
adhesive: hot melt glue gun
Freeform cutting

1. Cut off 2” strip from short end
2. Mark a line with two points
3. Connect with ruler
4. 1-3 cuts with Olfa
5. How does the cut edge look?
6. Cut another 2” strip
7. Cut each strip in half

Do Time!
But wait there’s more!

long straight cuts
> 12”

sheet cutter (the “Fletcher”)
in PDL, across the hall
lab grownup can show you how to use!
straight cuts only
if blade is dull, ask staff for blade change
Foamcorners

rounded corner  exposed corner  clean corner
Do Time!

Rounded or Crushed corners (slight radius)
fast to make, looks OK, strong
score down center
crush
fill with glue
hold until set
Do Time!

Overlap (butt) joint

slower to make, looks good, strong

cut one of your pieces in half

about 3/16” from one edge, cut away everything but bottom layer of paper

apply glue

join
**Do Time!**

**Gusset**

slow to make, strong—structures that bear load, right triangle and butt joint
cut 2” corner off of one piece

glue in corner

hold until set
Do Time!

Curved pieces
  slow to make, but really cool!
score all along wall
bend
glue to close
Demo Time!

**Adhesives**
this is sticky business!

- hot melt (glue gun)
- glue sticks (crossed out)
- spray mount
- super glue
- epoxy
- tapes
- and more!
Challenge!

Build a better blade box!

one sheet of foamcore plus any extra you still have
shouldn’t tip over
big enough to deposit and store a fair number of blades

sketch out design first
pick favorite next week, featured in PDL!
Challenge!

Build a better blade box!

one sheet of foamcore plus any extra you still have shouldn’t tip over big enough to deposit and store a fair number of blades sketch out design first featured in PDL!
Wrap Up!

before you go…

unplug glue guns so they can cool
stack cutting mats, large pieces of foamcore up at front
drop off rulers, extra glue sticks
throw away plates, small pieces of foamcore
put your name on bottom of blade box
leave on front table
    OR turn into PDL by Friday 4pm