sketch modeling techniques
Blue foaming and foamcoring

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

**Group B:**
Meerkat, Moose, Narwhal, Ostrich, Panda, Squid, T-Rex, Tiger

**Today:**
Group A — Here
Group B — PDL
Foamcore!
Foamcore!

used by architects and designers for model making
Foamcore!

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
cut off 2” strip from short end
mark a line with two points
connect with ruler
1-3 cuts with Olfa
how does the cut edge look?
cut another 2” strip
cut each strip in half
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
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!
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

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