sketch model techniques

Part 2!
Play Testing
With Sketch Models!

Arrive at:
5:45pm or 6:45pm

water and setup-intensive teams:
5:30pm or 6:30pm

at least 2 students per team should be there

Courtesy Sketch Model Transport Van™. Loading starts at 4:15pm, Leaves at 4:30pm
Group A (5:30pm)
RC Battleboats
Water Waze
Picasso Piano (Tarp)
Flying Fish
USS Adventure (Special Events)
Light Splat (?)
Bumper Clouds (Common Area)

Group B (6:30pm)
Take Cover (Tarp)
Row Go (Blue Area)
Mad Hatter (Blue Area)
Special 2.00b Entrance
Invite kids over to play!

Explain your toy in 10 words or less

Be flexible! Kids might discover new ways to play

**Remember...**

Never assume a kid has a mom or dad. Ask for their ‘grown-up’ if you don’t immediately see them

Be supportive and positive!

Don’t be offended if kids wander away :(
Tips & Tricks at the BCM

Safety! Safety! Safety!

Have fun :) Observe your surroundings
This week

**Today:**
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!
Foamcore!

Used by architects and designers for modeling buildings
Holiday Inn lobby prototype

800 sheets of foamcore! (Continuum)
Demo Time! Spread out to unused seats

One sheet of foamcore

Cutter: Utility knife (Olfa) or Exacto
   Extra blades in PDL
   Snap off, dispose in blade box

Guide: Metal Ruler

Cutting surface: Cutting mat or scrap foamcore/cardboard
   Don’t cut directly on tables or floor in PDL

Adhesive: Hot melt glue gun (drip catcher), white glue, adhesive
Do Time!

It's your turn!

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”

Foam core cutter (the “Fletcher”)
In PDL, across the hall
Must ask shop staff to teach you first
Straight cuts only
If blade is dull, ask staff for blade change
Do Time!

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!

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)
White glue
Spray mount
Butcher Paper

Fume Hood

Paints

Glues

Secrets
Demo Time!

Adhesives
  this is sticky business

Hot melt (glue gun)
White glue
Spray mount
Double stick
Epoxy
Masking tape (blue and white)
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 bring to class on Monday