



PING-PONG!

Designing Biocomposite Ping-Pong Paddles

Objectives

1

Research
paddle designs

2

Brainstorm
paddle design

3

Build ping-
pong paddles

TOP 10

CRAZIEST

TABLE TENNIS SHOTS

2017



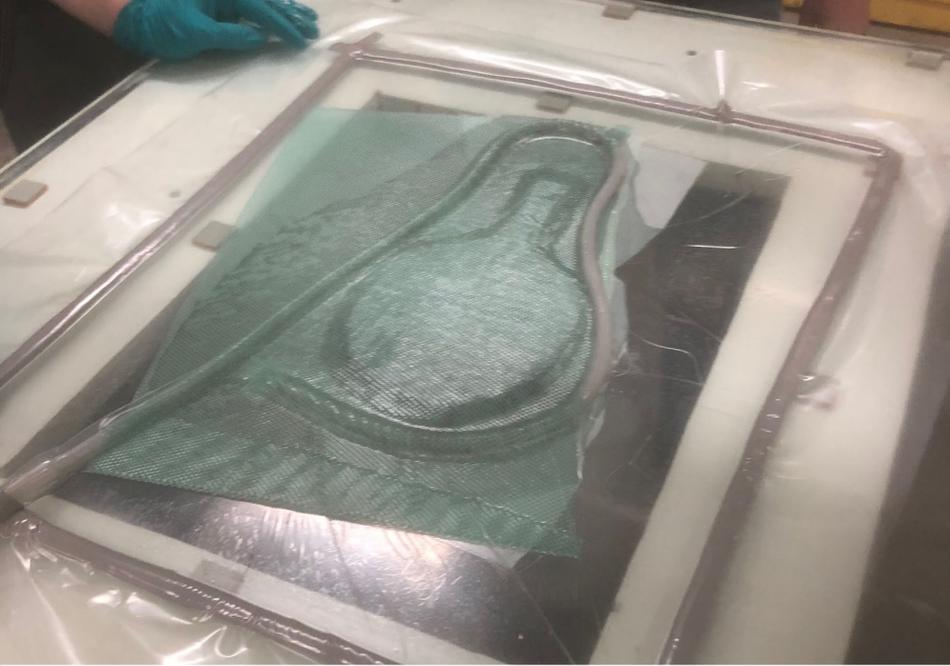


Make Observations

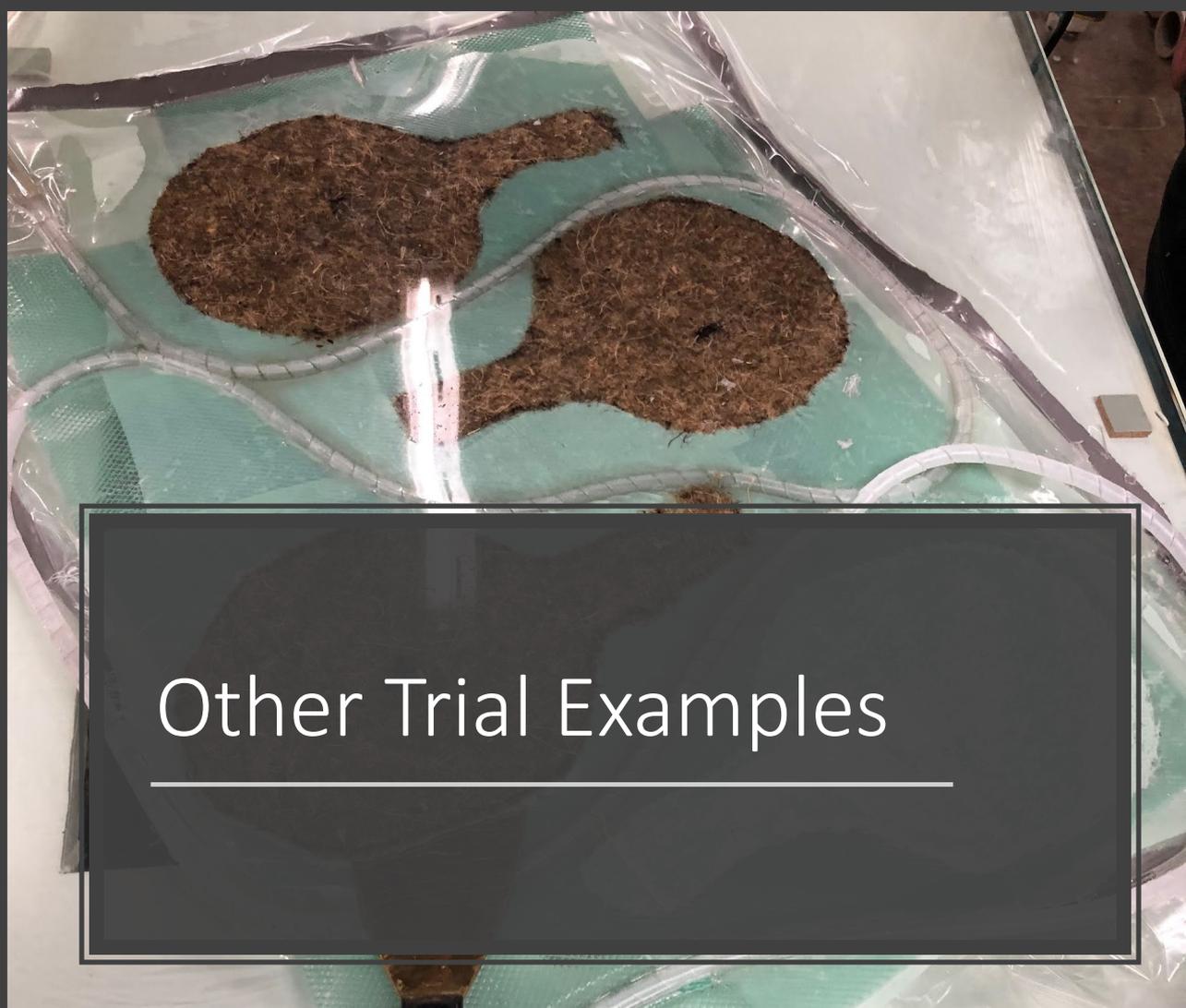


Deconstructing a Store-Bought Model





First Trials Examples



Other Trial Examples



Finished Products



Testing

Your Job

Design, build, and test your own ping-pong paddles. With your group, choose one item from each column that you feel will make the best paddle.

Materials for core

- balsa wood
- cardboard

Materials for coating

- shellac
- polyurethane
- glue
- flour-water paste

Materials for covering

- foam & rubber
- shelf liner
- foam
- neoprene rubber

You will be test your design for ball control, paddle wear, and player com fort.
Keep these factors in mind when choosing your materials.



Evaluation

- Finish assembling your design
- Test your design vs. a store bought example
- Compare and contrast your design
- Redesign (or iterate) if needed!