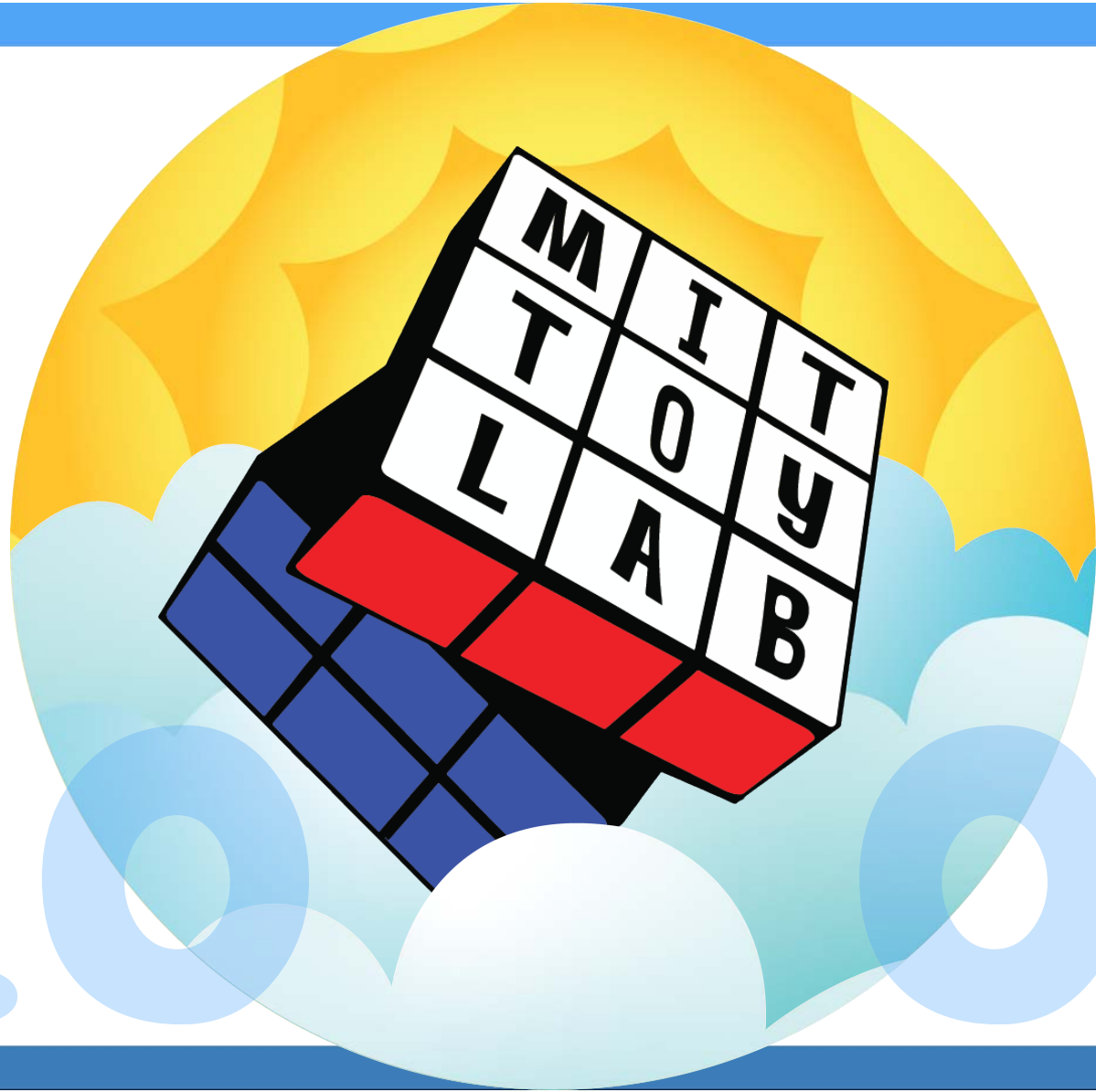


Diego Rodriguez Telechea

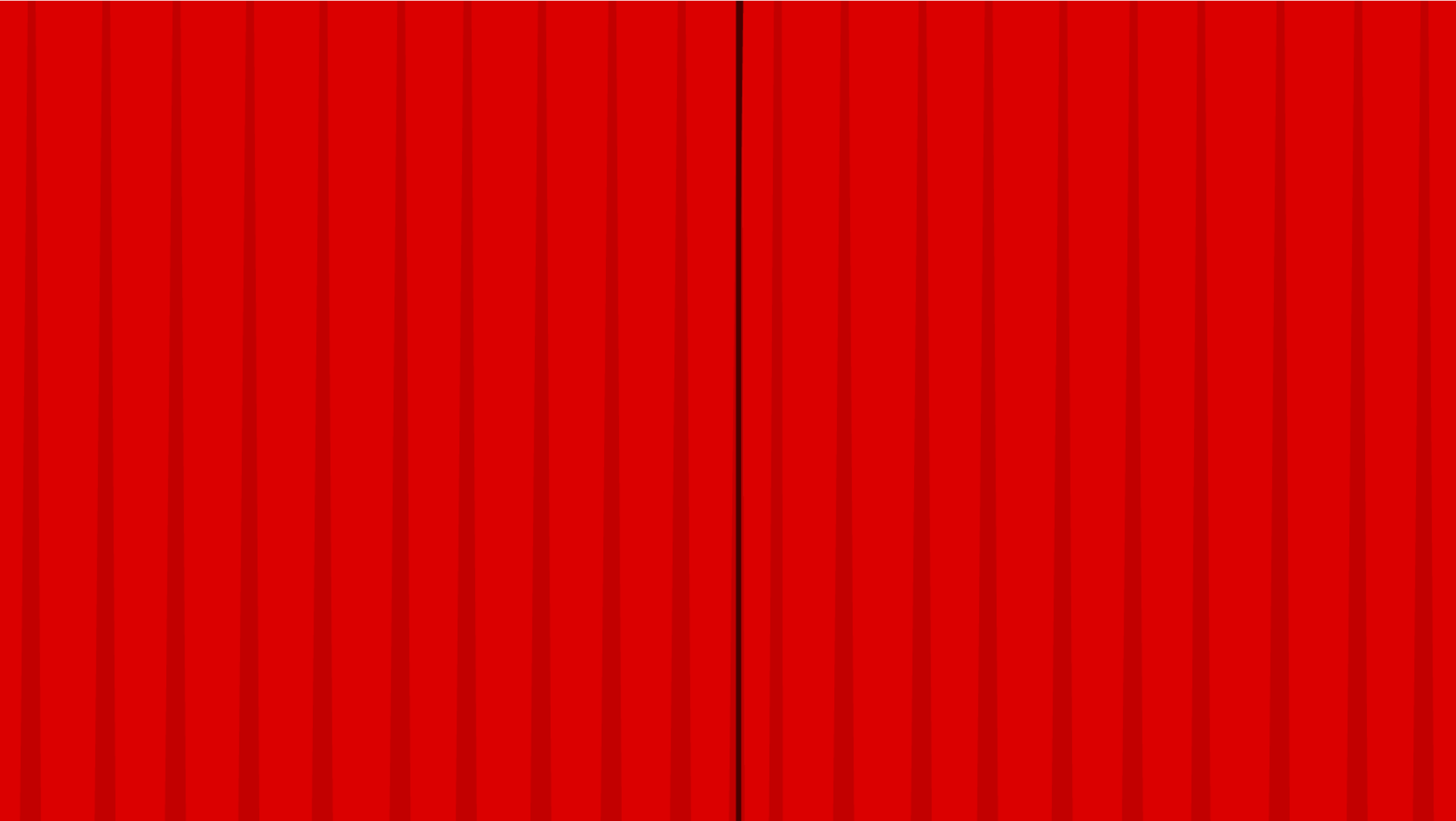


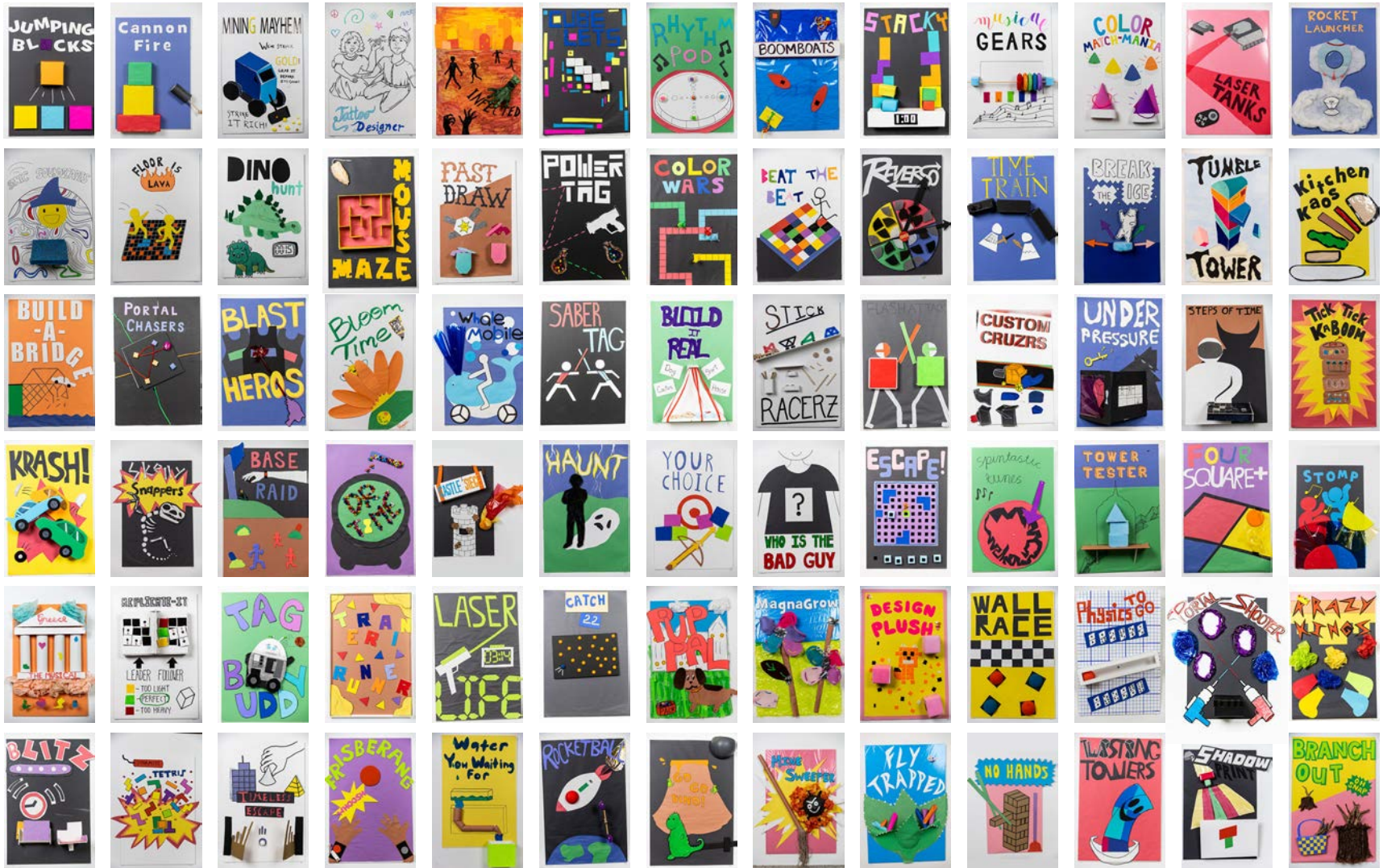
a prototype is a question embodied



2.001













ROCKET
LAUNCH

GO
GO
DINO!

BONZ







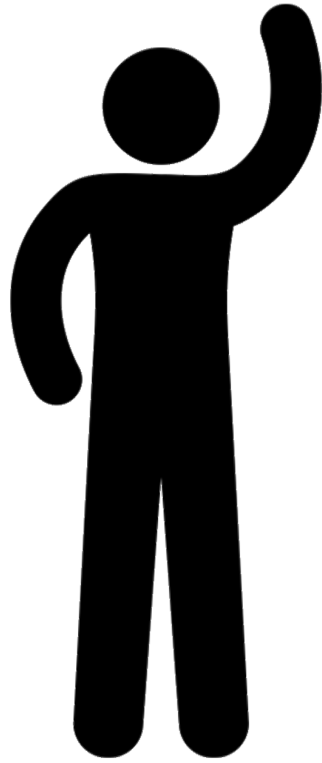








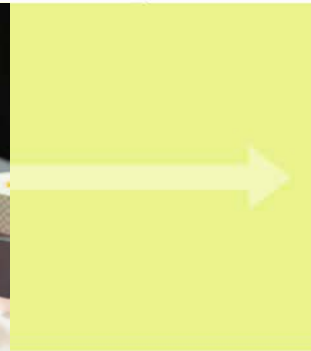
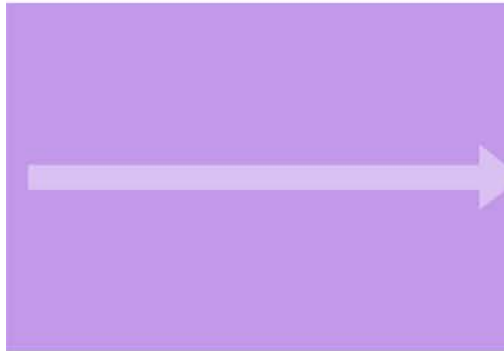






**Toy Pitch
Presentation**

March 10
3 ideas per team



**Design
Review**

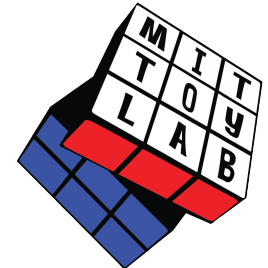
May 2-4
1 concept, 2 models

**Sketch Model
Presentation**

April 16-17
2 concepts, 4 models

**Final
PLAYsentations**

May 15
1 final prototype







March

February

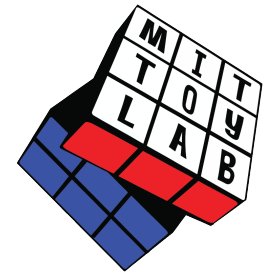
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April

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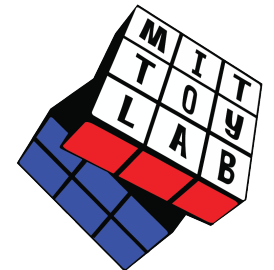


March

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April

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March

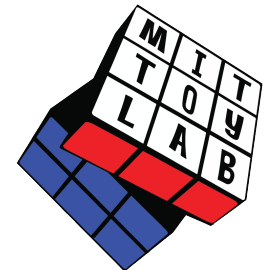
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April

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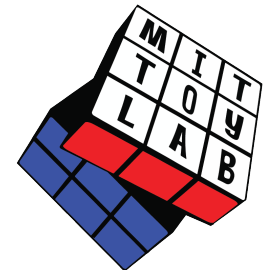


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March

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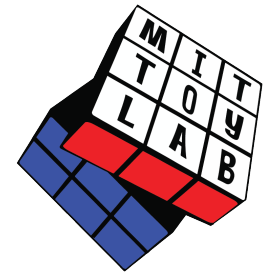
April

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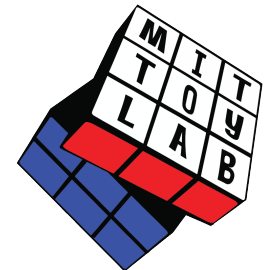


March

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April

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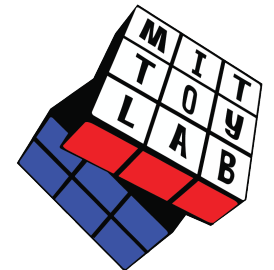
March

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April

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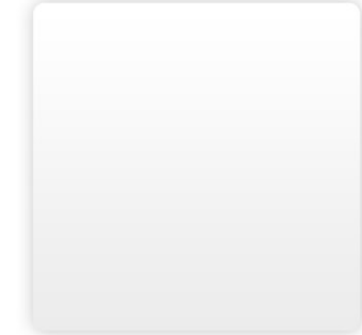


March

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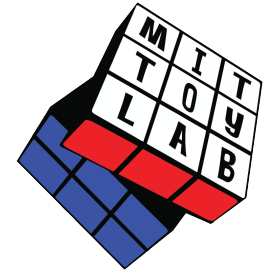
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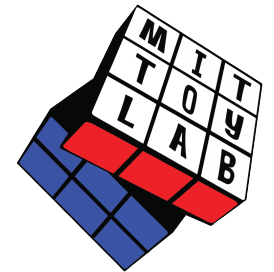


March

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April

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March

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23	24	25

Things to-do

by Thu, 3/16, 5 PM [Signup](#) for foam core and blue foam workshops

Thu-Mon, as scheduled Attend your foam core and blue foam workshops. See the [schedule](#).

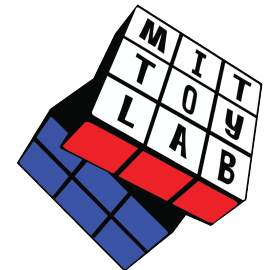
by Tue, 3/21, noon [Submit](#) your [blade box challenge](#) photo

To-dos past best before date

- Please [submit](#) one marker sketch for your portfolio.
- Please submit your customized toober CAD. Please see the [instructions](#) for details and base model files.

April

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March

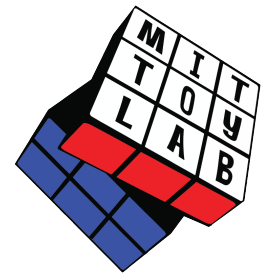
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April

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March

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23	24	25

- home
- tooberal
- electronics library

4. BATTERY & CHARGING In Lab 2

5. THE PROTOTYPE Due FEB 27

Altogether Now
Code, Test, & Play!

6. HOUSING CAD Due MAR 4

Installing Fusion 360
3D Printing
Getting the Base Model
Base Model Features
The Sugar Cube
Moving the Sugar Cubes
Sweat the Details
Designing your own!

7. ASSEMBLY Due MAR 24

Background Info

Preparing your Housing
Assemble the Sugar Cubes
Electronic Insides
Acrylic Light Channel
Testing and Closing
Glue and Adhesives
Done!

more coming soon?

7. Assembly > Background Info

Background Info

Your Freshly Printed Toobers!

What's Due Mar 24

- Assemble your Toober Toy!
- Get a product photo of your Toober Toy with the course photographer

Hello! Exciting! You've hopefully received your freshly printed Toobers printed on the Stratasys J55 Prime or the J35 Pro. This is the last part to the Toobers project. By the end of this lab, make sure that you **get a photo of your Toobers** with Danny, the course photographer. After that, you're free to take your Toobers home!



April

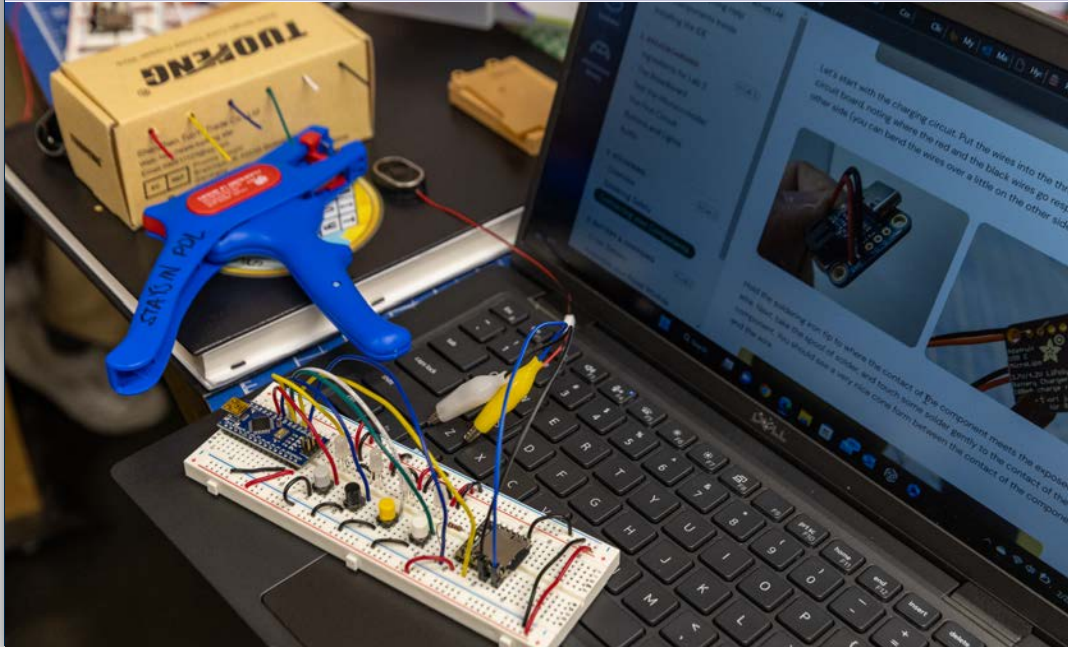
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Oob CAD

March

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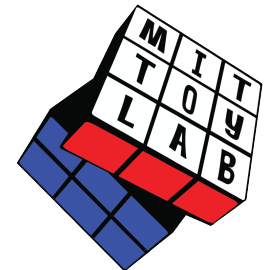
April

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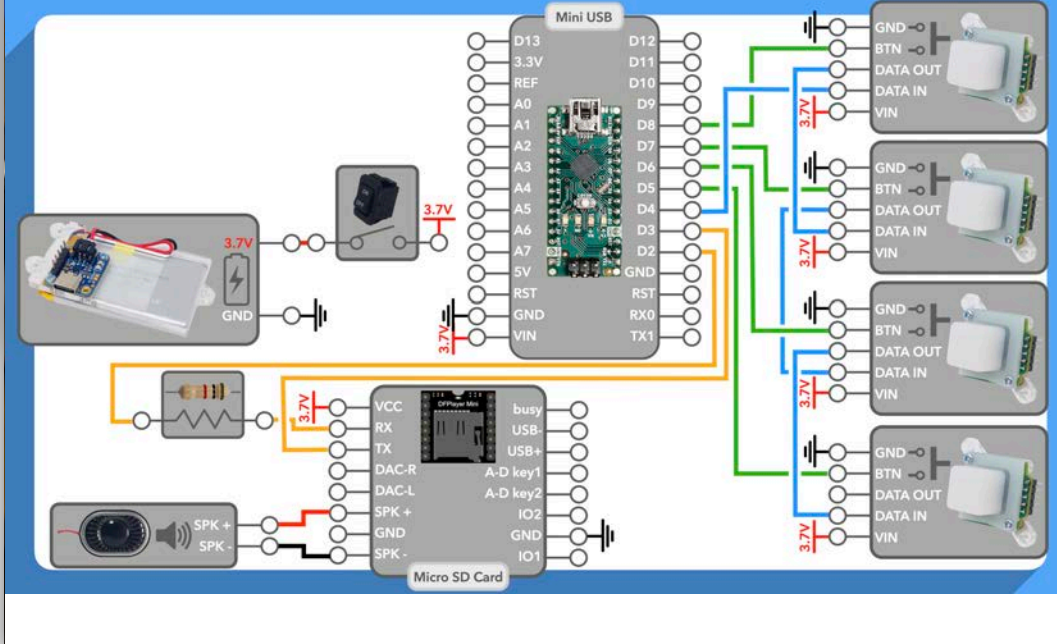
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March

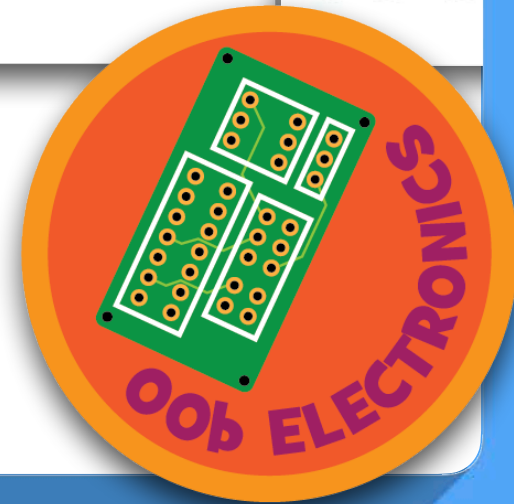
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April

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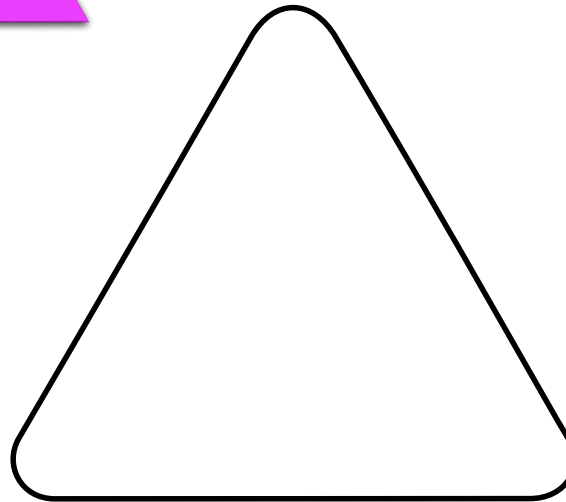


Dimensions of prototyping



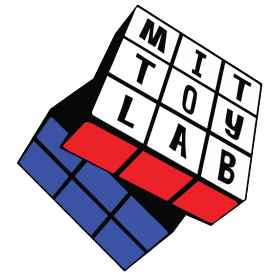
3 concepts!

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

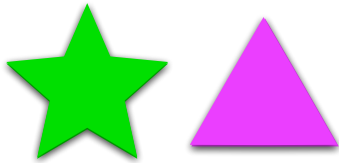


looks like
what is the form?
how does it feel?

predicts like
what are the physical principles?

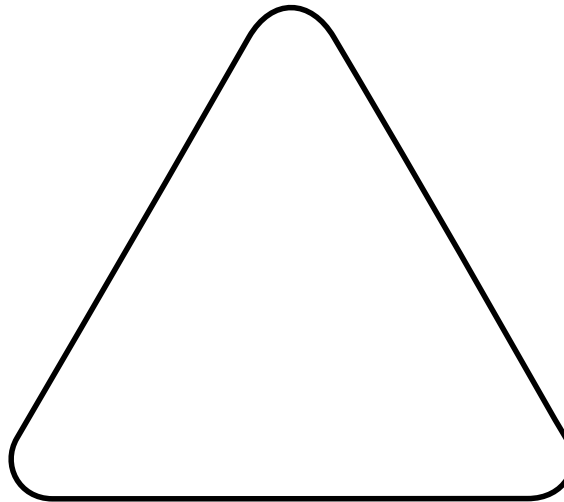


Dimensions of prototyping



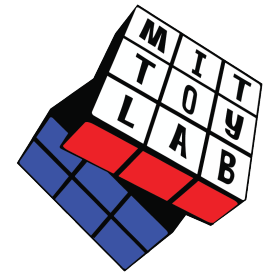
2 concepts!

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

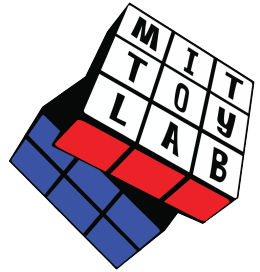


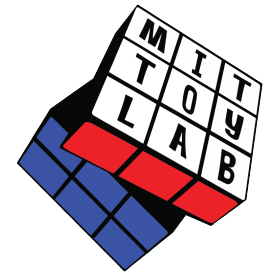
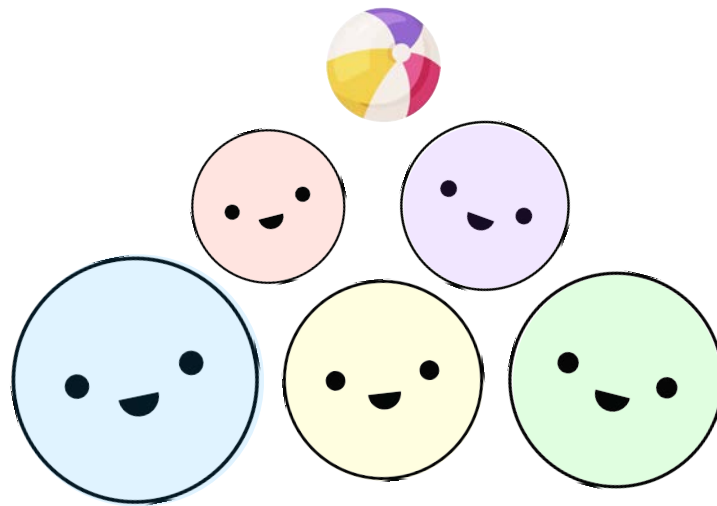
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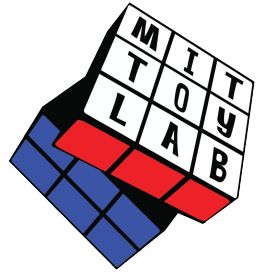


		Overall Concept:					Presentation:						
		play value innovativeness theme: community					both verbal & visual clarity content						
Apatosaurus 	Branch Out	0	1	2	3	4	5	0	1	2	3	4	5
	Shadow Print	0	1	2	3	4	5	0	1	2	3	4	5
	Twisting Towers	0	1	2	3	4	5	0	1	2	3	4	5
Cat 	No Hands	0	1	2	3	4	5	0	1	2	3	4	5
	Fly Trapped	0	1	2	3	4	5	0	1	2	3	4	5
	Minesweeper	0	1	2	3	4	5	0	1	2	3	4	5
Cow 	Go Go Dino	0	1	2	3	4	5	0	1	2	3	4	5
	Rocket Ball	0	1	2	3	4	5	0	1	2	3	4	5
	Wat-er You	ROCKET BALL stops time so you and your friends can play catch without dropping the ball, endlessly trying to beat your score					5	0	1	2	3	4	5
Duck 	Frisberang	0	1	2	3	4	5	0	1	2	3	4	5
	Timeless Escape	0	1	2	3	4	5	0	1	2	3	4	5
	Dynamite Tetris	0	1	2	3	4	5	0	1	2	3	4	5
Elephant 	Blitz	0	1	2	3	4	5	0	1	2	3	4	5
	Krazy Kings	0	1	2	3	4	5	0	1	2	3	4	5
	Portal Shooter	0	1	2	3	4	5	0	1	2	3	4	5

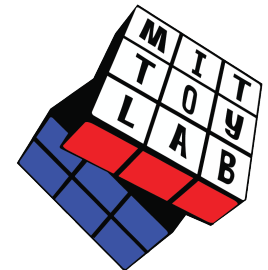
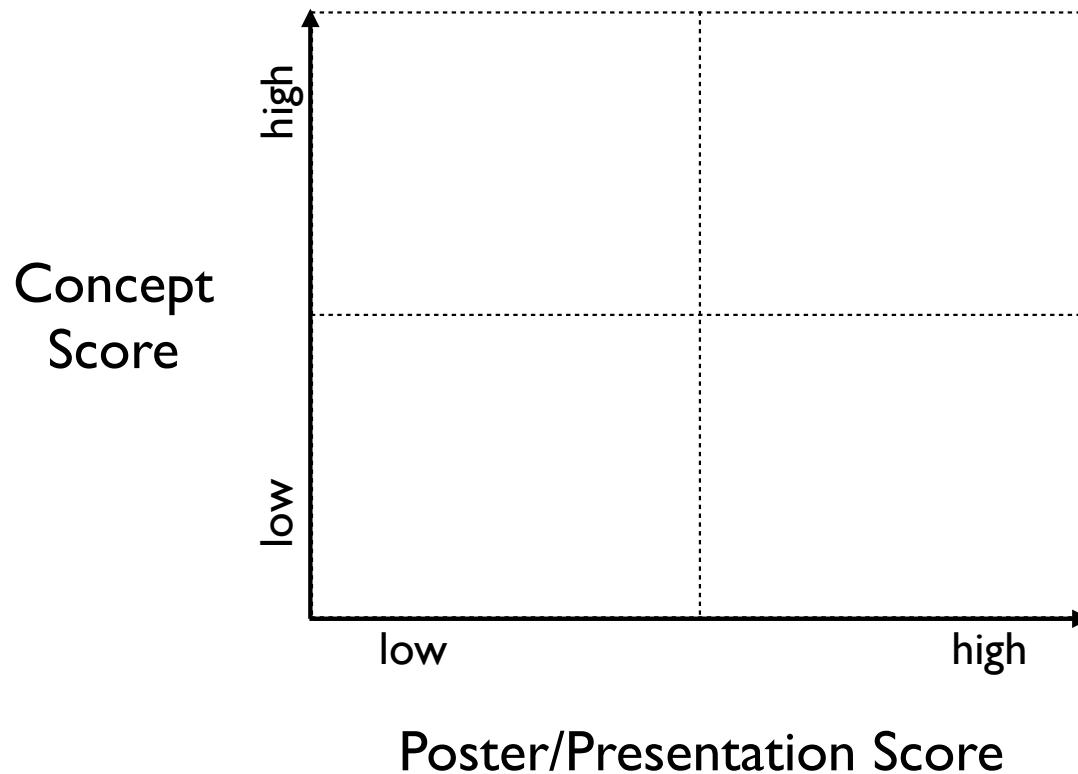




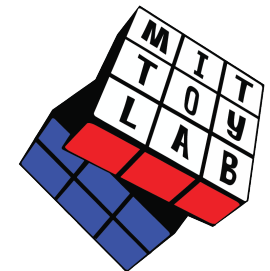
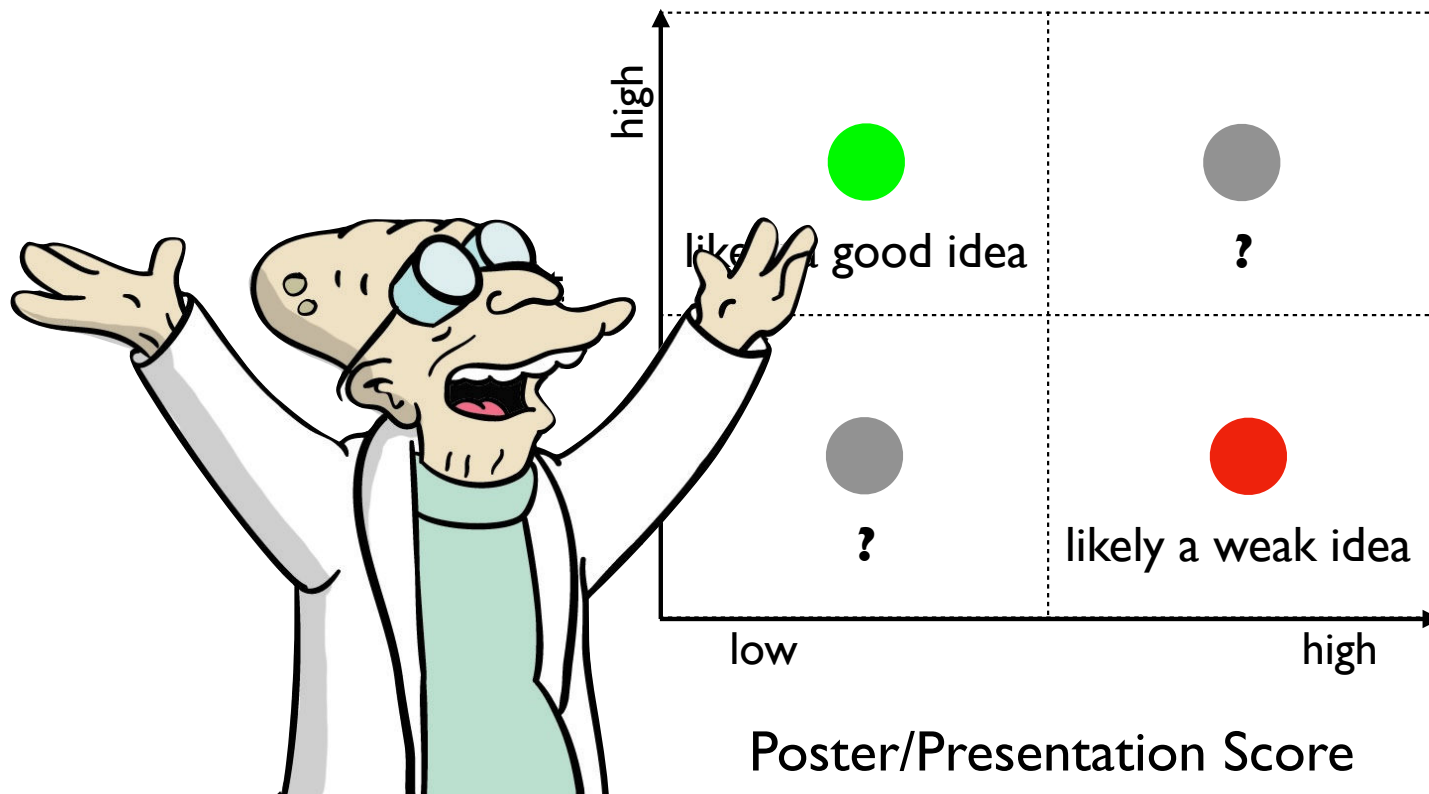
		Overall Concept:					Presentation:						
		play value innovativeness theme: community					both verbal & visual clarity content						
Apatosaurus 	Branch Out	0	1	2	3	4	5	0	1	2	3	4	5
	Shadow Print	0	1	2	3	4	5	0	1	2	3	4	5
	Twisting Towers	0	1	2	3	4	5	0	1	2	3	4	5
Cat 	No Hands	0	1	2	3	4	5	0	1	2	3	4	5
	Fly Trapped	0	1	2	3	4	5	0	1	2	3	4	5
	Minesweeper	0	1	2	3	4	5	0	1	2	3	4	5
Cow 	Go Go Dino	0	1	2	3	4	5	0	1	2	3	4	5
	Rocket Ball	0	1	2	3	4	5	0	1	2	3	4	5
	Wat-er You	ROCKET BALL stops time so you and your friends can play catch without dropping the ball, endlessly trying to beat your score					5	0	1	2	3	4	5
Duck 	Frisberang	0	1	2	3	4	5	0	1	2	3	4	5
	Timeless Escape	0	1	2	3	4	5	0	1	2	3	4	5
	Dynamite Tetris	0	1	2	3	4	5	0	1	2	3	4	5
Elephant 	Blitz	0	1	2	3	4	5	0	1	2	3	4	5
	Krazy Kings	0	1	2	3	4	5	0	1	2	3	4	5
	Portal Shooter	0	1	2	3	4	5	0	1	2	3	4	5



Idea goodness potential



Matrix of unknowability



2.00b Idea Presentations (Team) Feedback Form

Reviewer: Juhan Sonin

Team: Shark

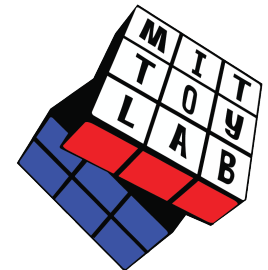
Please provide concept and presentation feedback on each of the three concepts.

Floor is Lava



Comments on concept, including play value, innovativeness and relevance to the theme "timeless"

Comments on presentation, including verbal and visual cues, clarity, and content and poster design









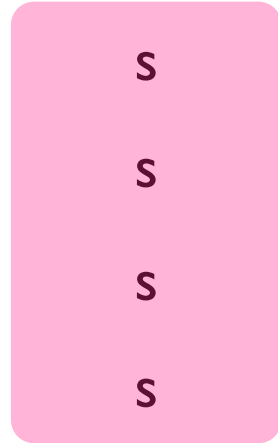


Decide!

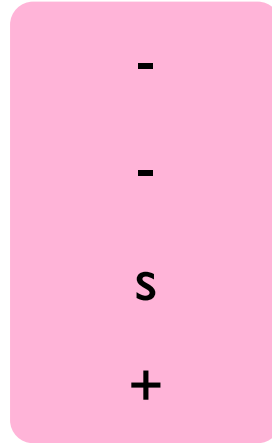
reference
should be one
you best
understand!



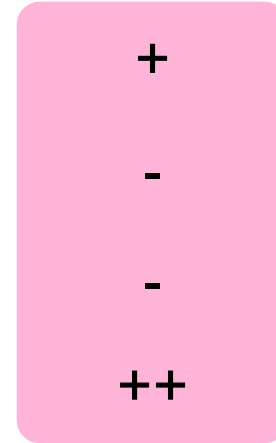
spin time
cost
ergonomics
coolness



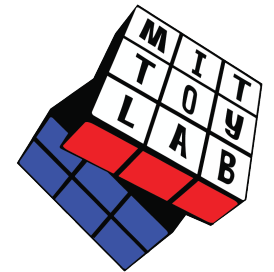
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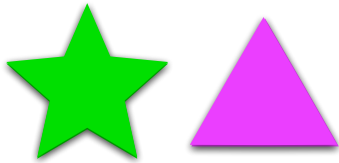
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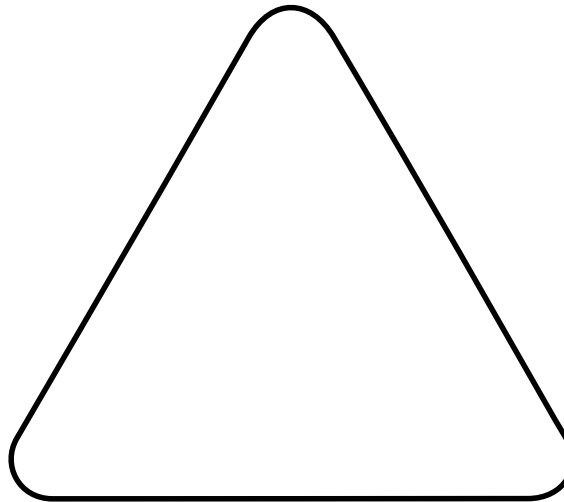


Dimensions of prototyping



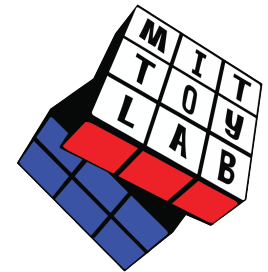
2 concepts!

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

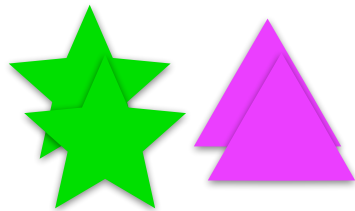


looks like
what is the form?
how does it feel?

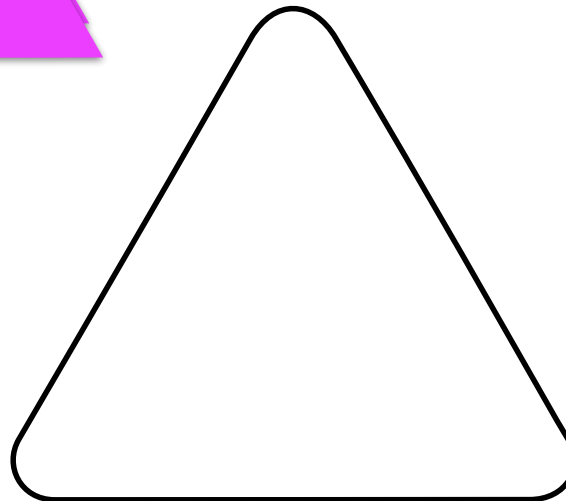
predicts like
what are the physical principles?



Dimensions of prototyping

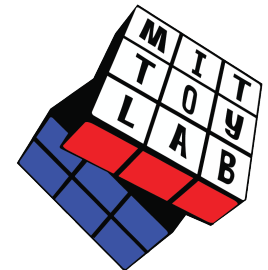


plays like
what is the play?
how is it implemented?

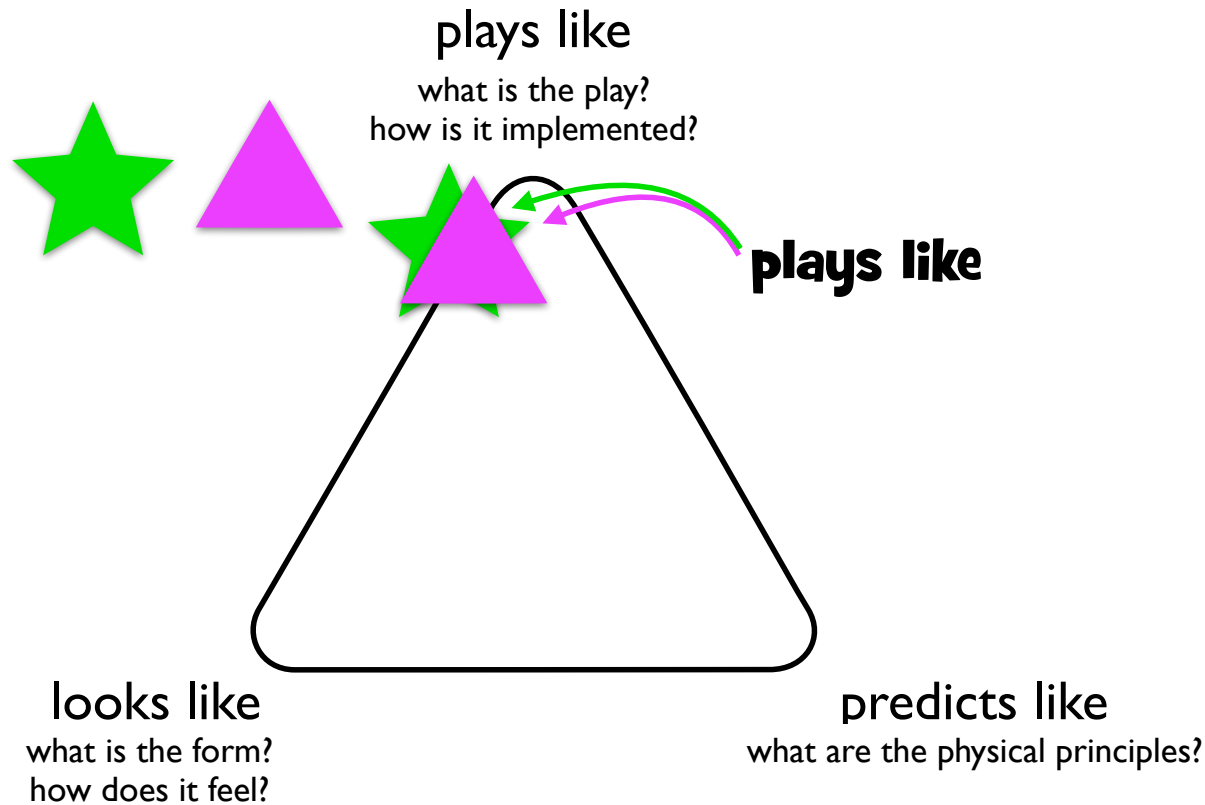


looks like
what is the form?
how does it feel?

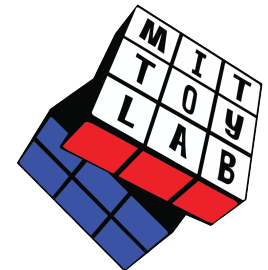
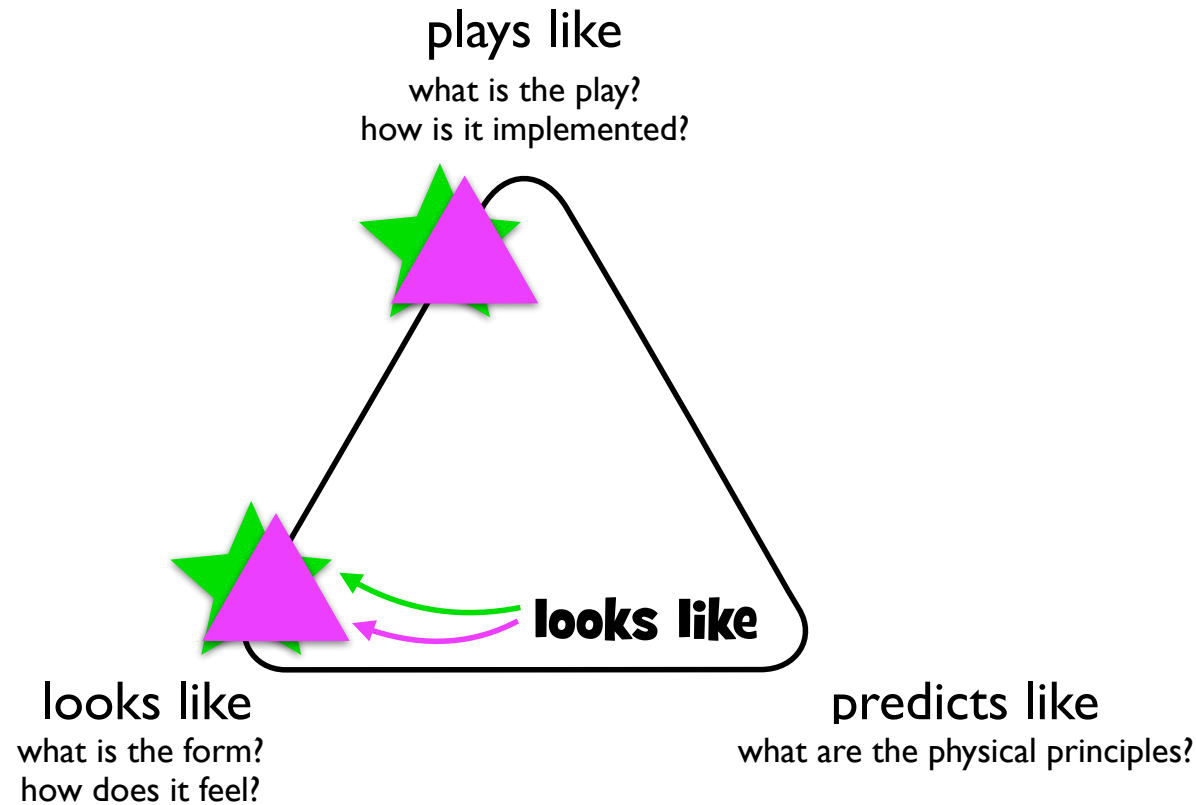
predicts like
what are the physical principles?



Dimensions of prototyping



Dimensions of prototyping

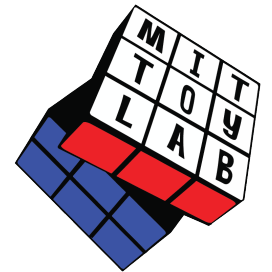


How can you waste time?

make something that **looks nice** but **doesn't explore any questions** about the concept

make something that **looks not so nice** and also **doesn't explore any questions** about the concept

make something that **works** and **doesn't explore any questions** about the idea's **play value**

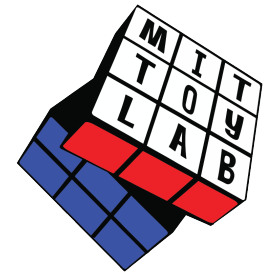


Which questions?

1. How does the play work?
explore with a **plays like**



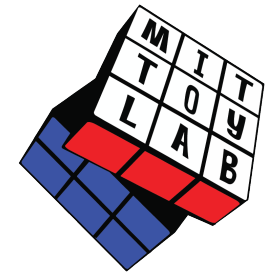
2. What is the toy vision?
explore with a **looks like**



Possible works or plays-like questions to test with a sketch model

Possible looks-like or toy product vision questions to test with a sketch model

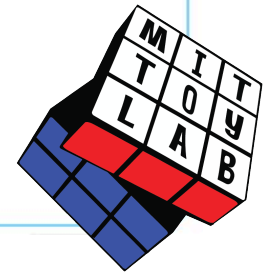
5





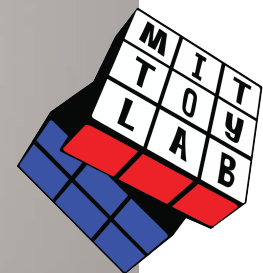
Possible works or plays-like questions to test with a sketch model

Possible looks-like or toy product vision questions to test with a sketch model

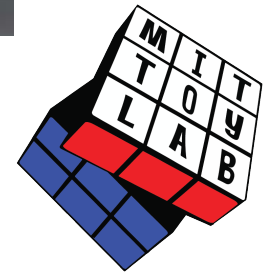
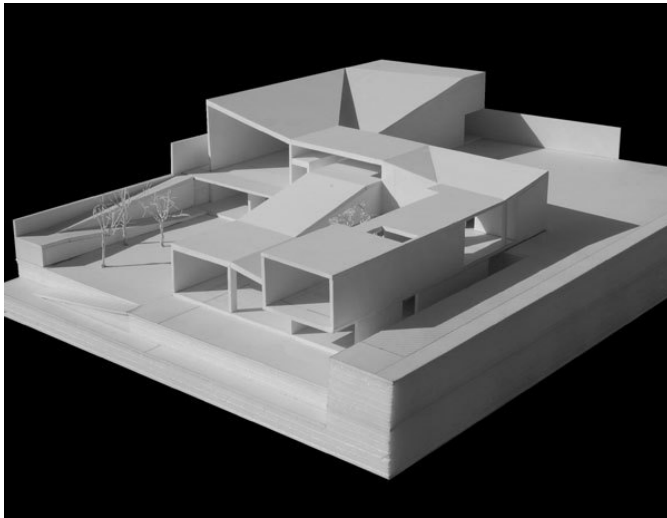




Foamcore



Foamcore

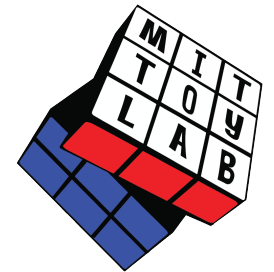


Foamcore

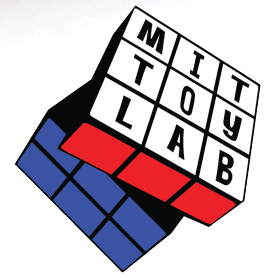
Holiday Inn lobby prototype



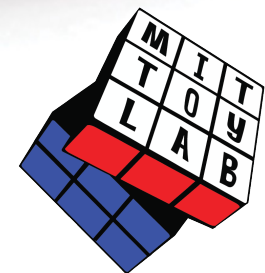
800 sheets of foamcore! (Continuum)



Cutting!



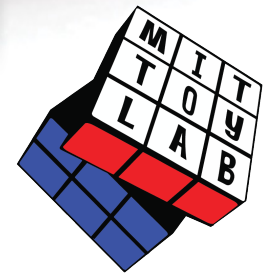
Cutting!



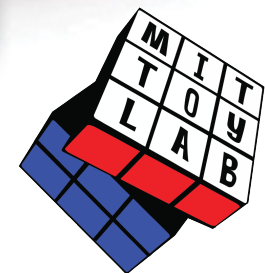
Cutting!



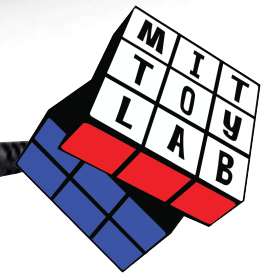
Cornering!



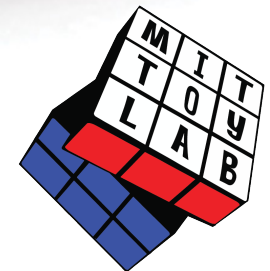
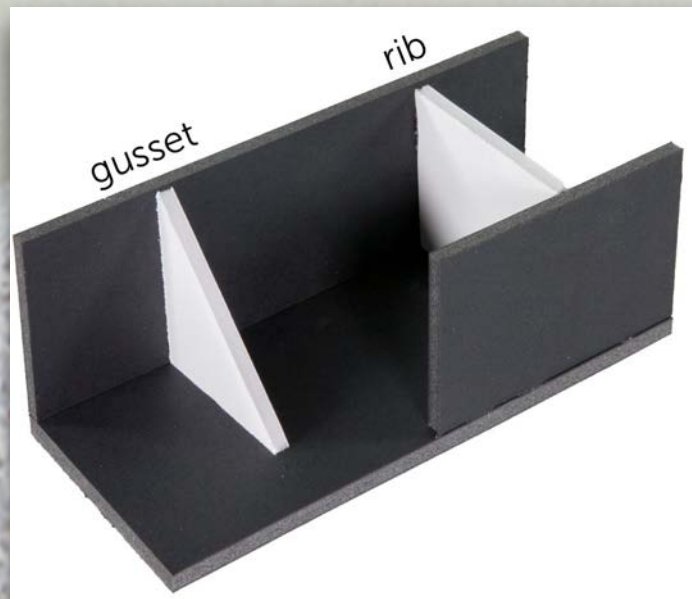
Cornering!



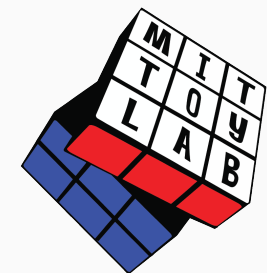
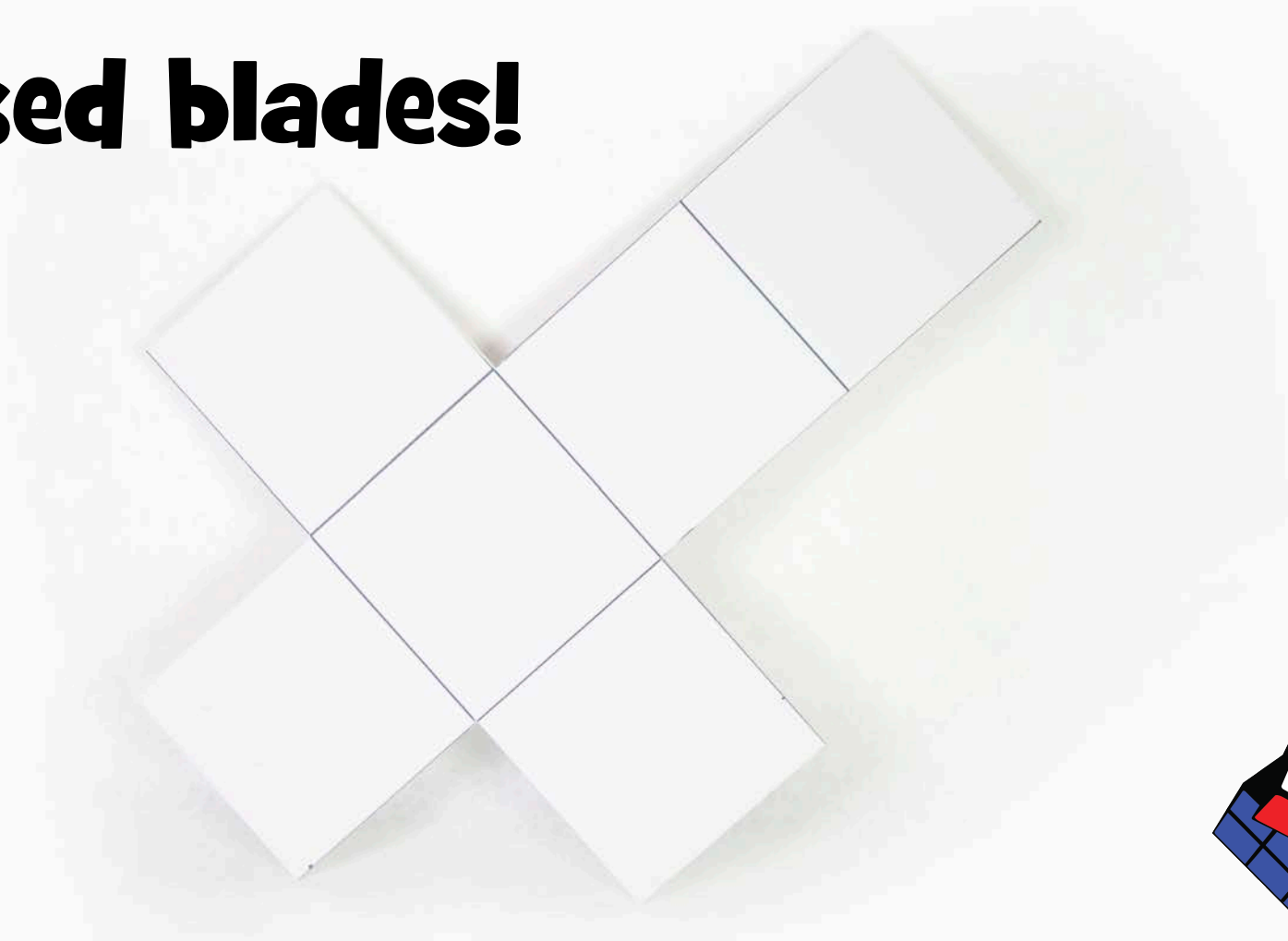
Joining!



Gussets and ribs!



Used blades!

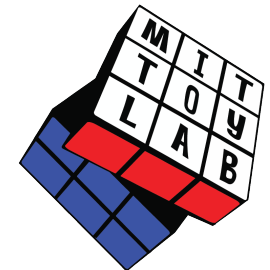


blade box challenge!

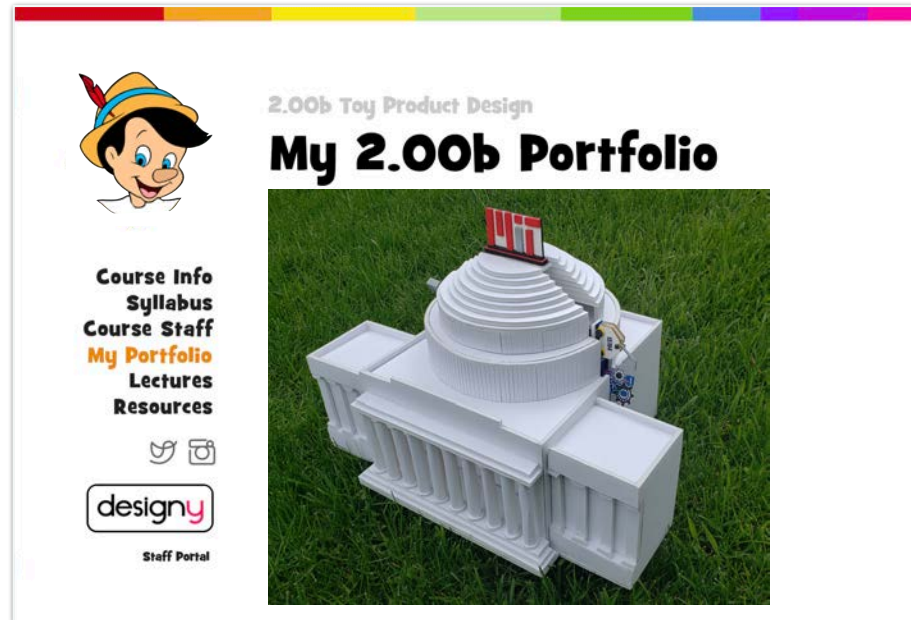
build your own foam core blade box in 1.5 hrs

- 1) design in your notebook
- 2) signup for a workshop time
- 3) make your design in 1.5 hrs
- 4) practice and have fun

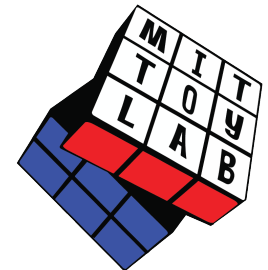
March						
Su	Mo	Tu	We	Th	Fr	Sa
				2	3	4
5				9	10	11
12				16	17	18
19				23	24	25
26	27	28	29	30	31	



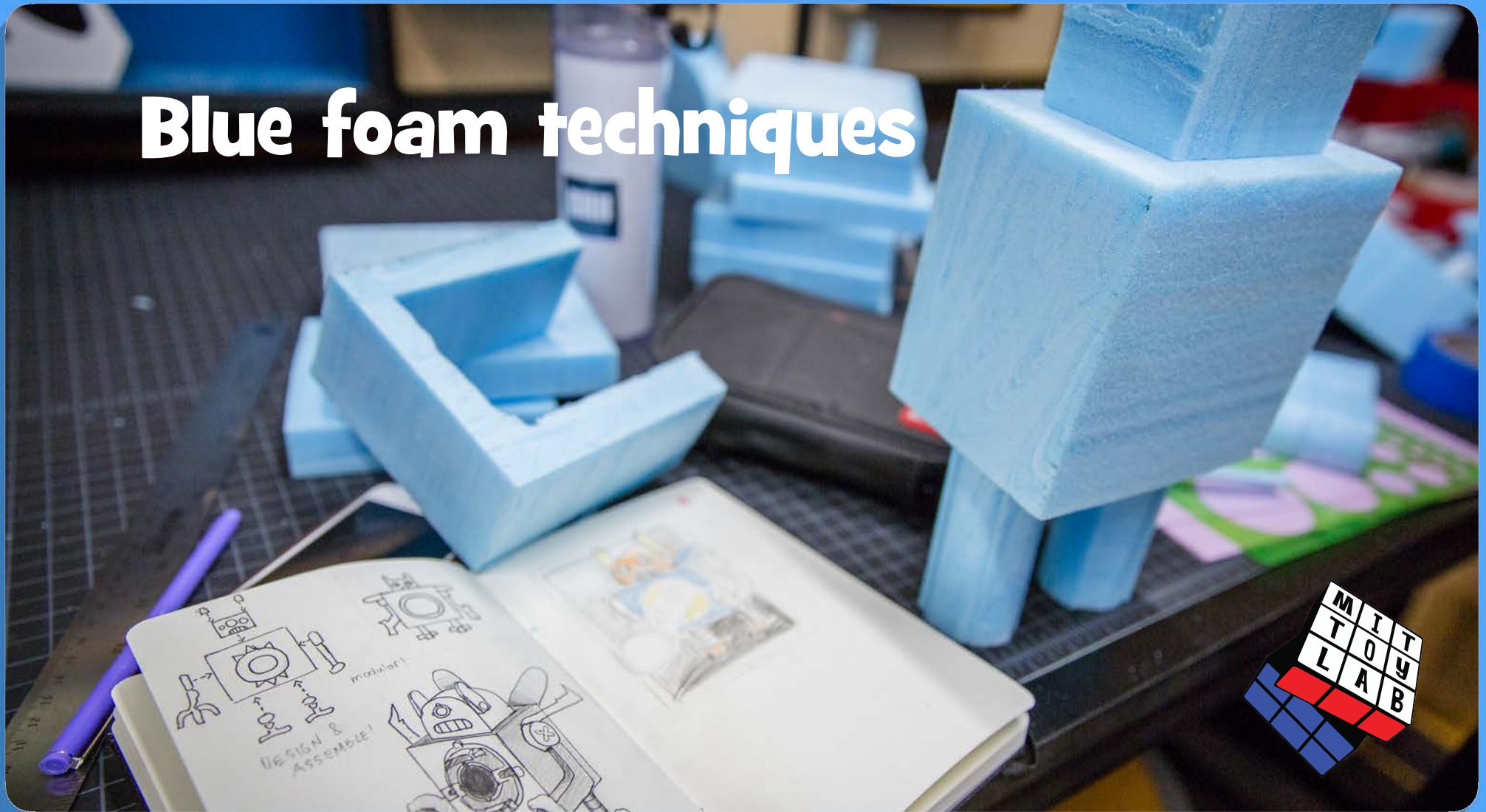
Your portfolio!



- 5) take a photo
- 6) upload to your portfolio
- 7) get photography feedback!



Blue foam techniques

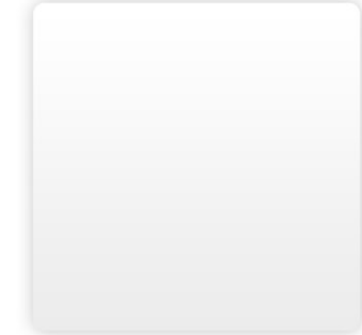


March

Su Mo Tu We Th Fr Sa

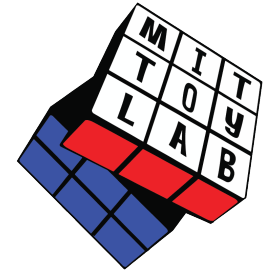
Th	Fr	Sa
2	3	4
9	10	11
16	17	18
23	24	25

				2	3	4
5				9	10	11
12				16	17	18
19				23	24	25
26				30	31	



April

Su	Mo	Tu	We	Th	Fr	Sa
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						





2020



Diego Rodriguez Telechea



a prototype is a question embodied