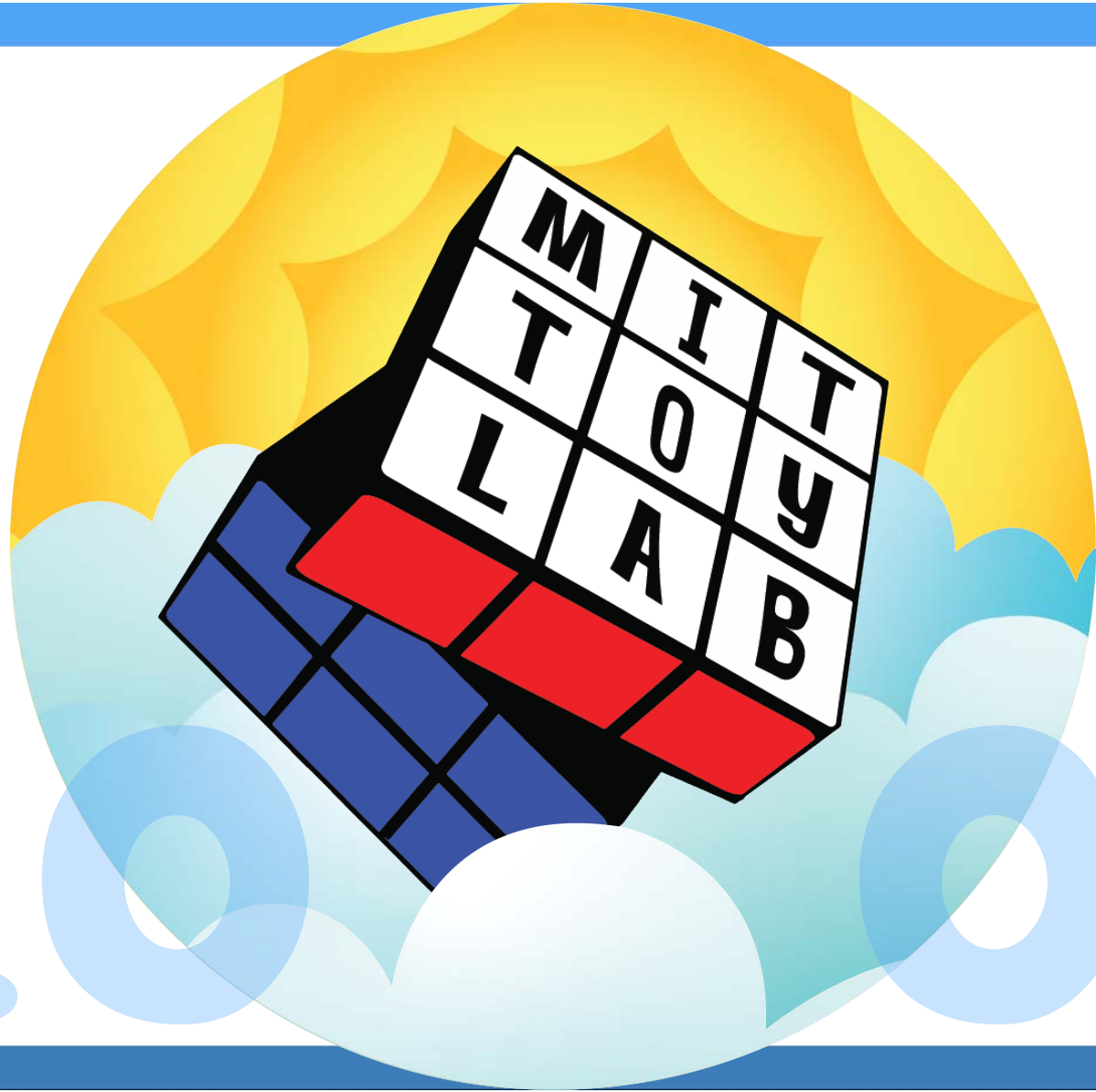


Play is our favorite way

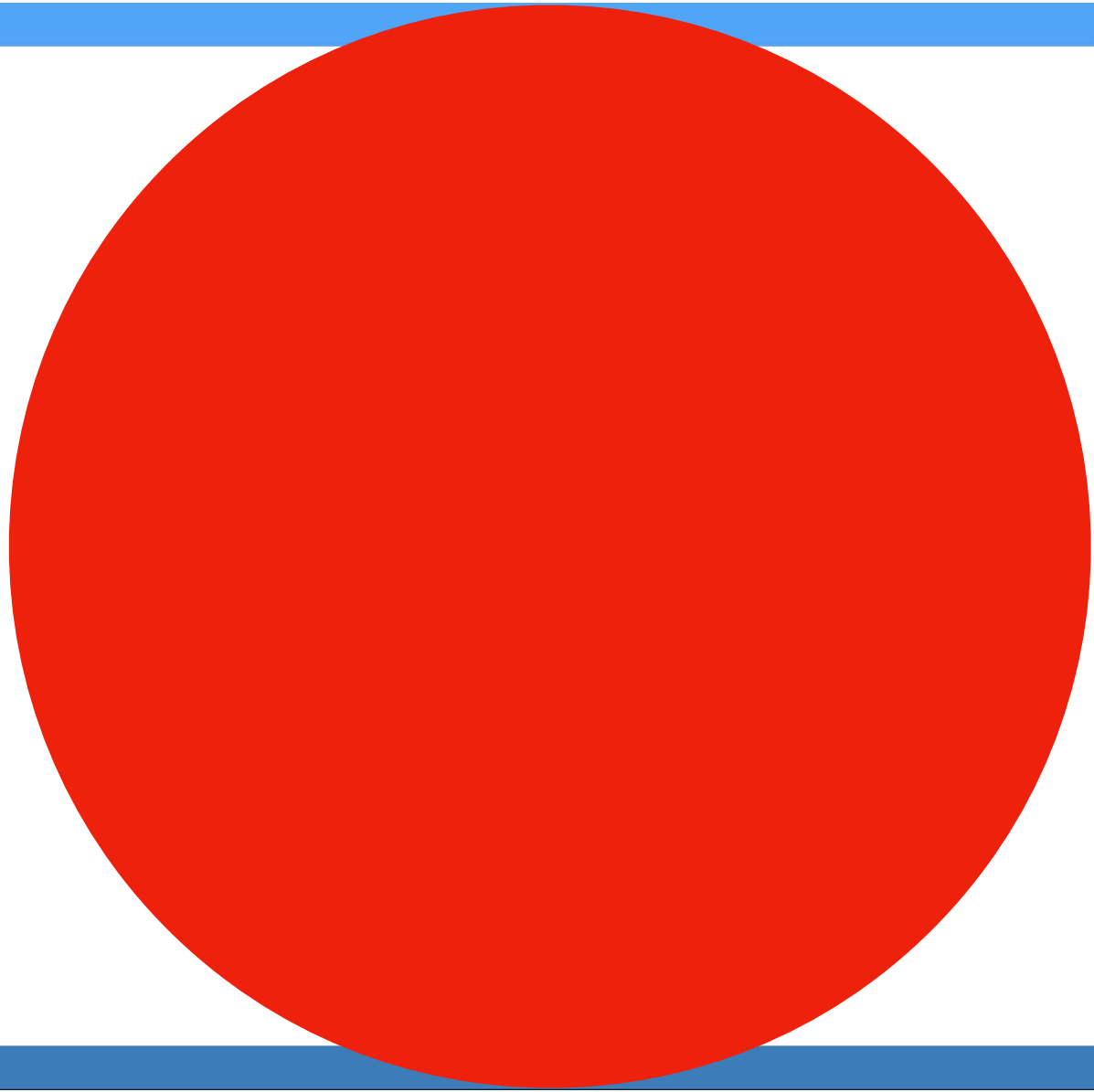
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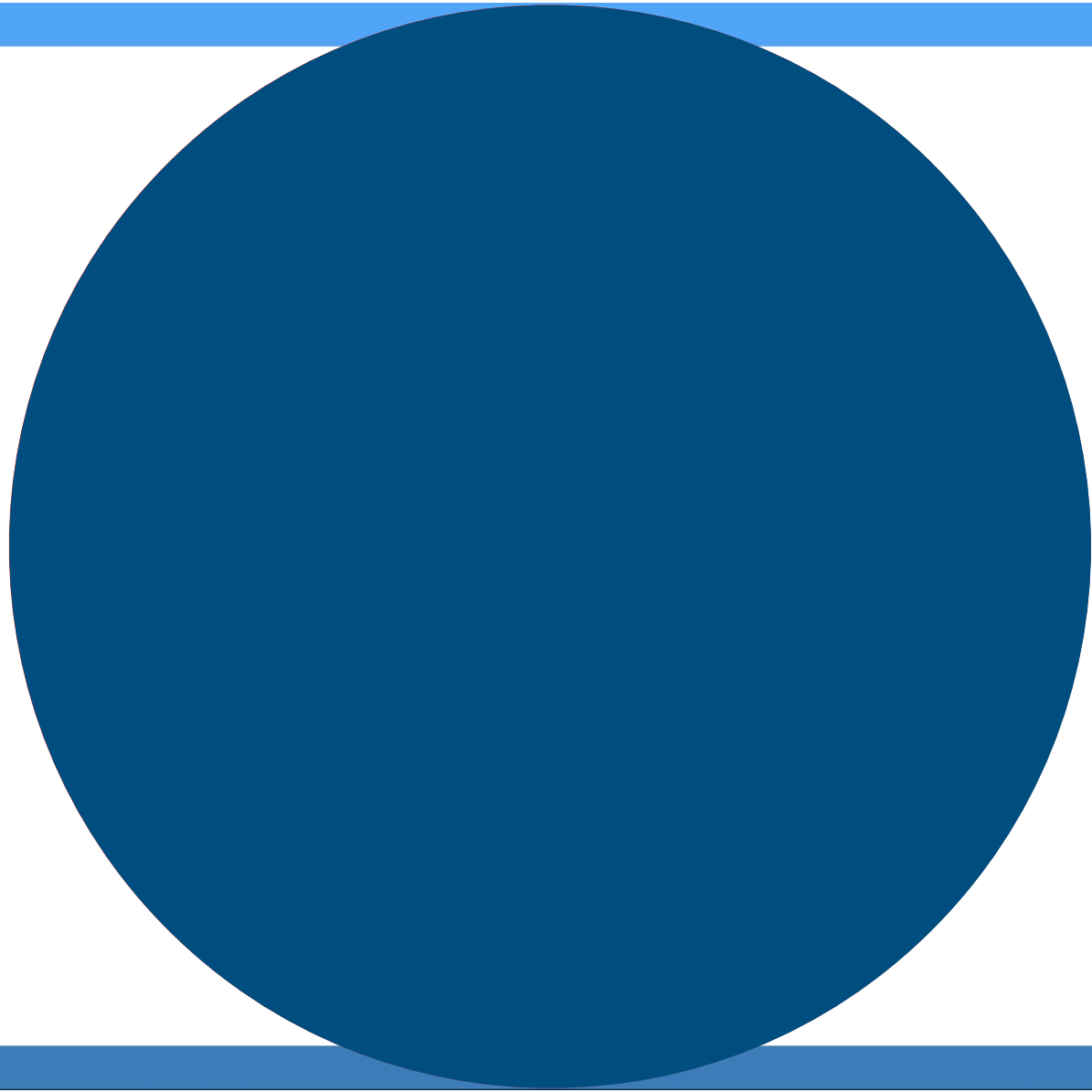


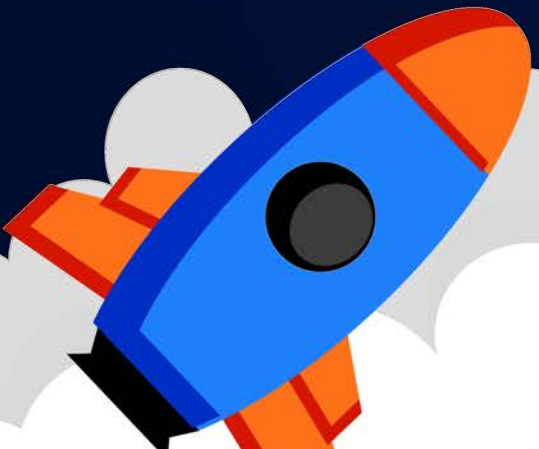
Diane Ackerman

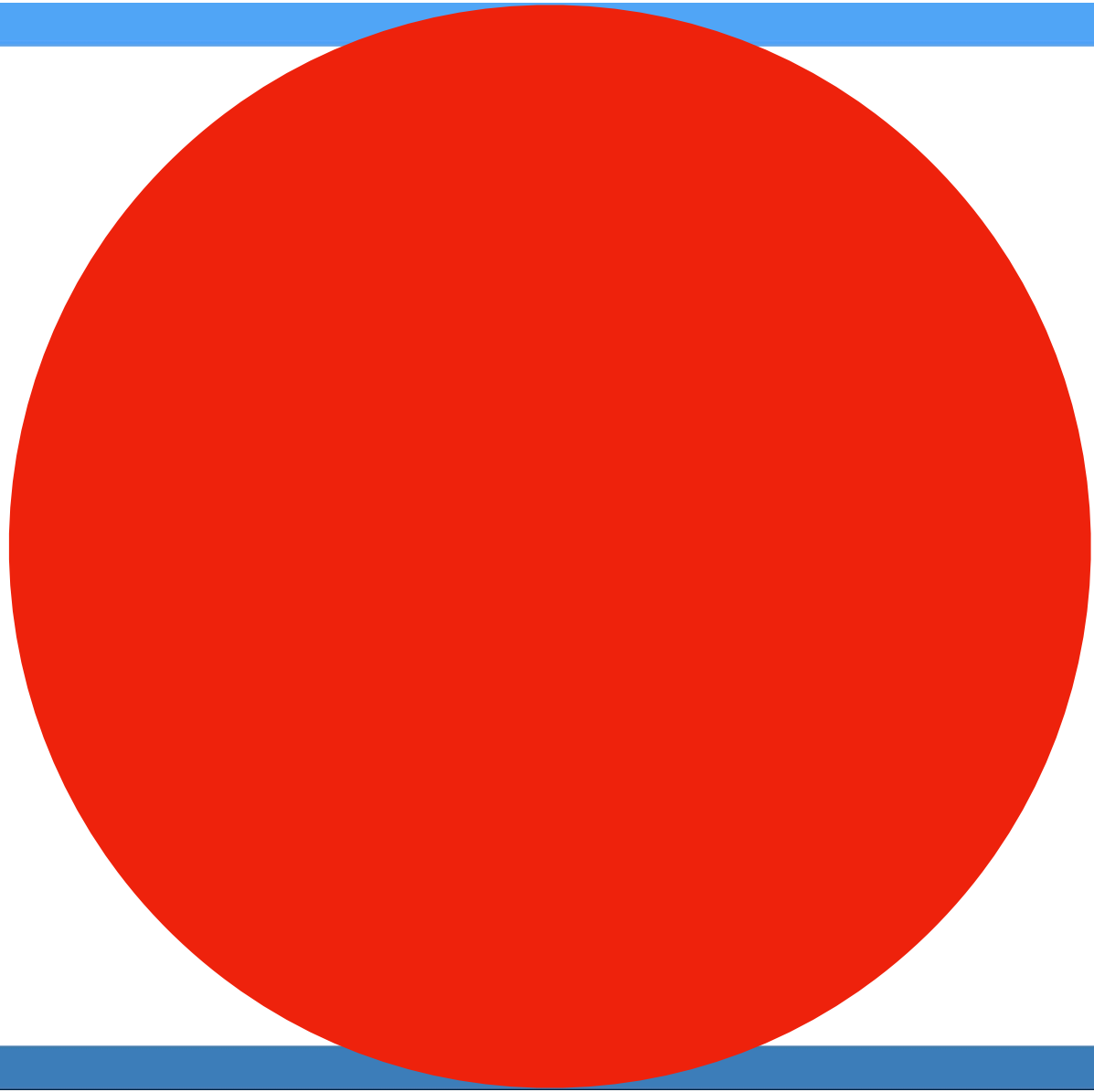


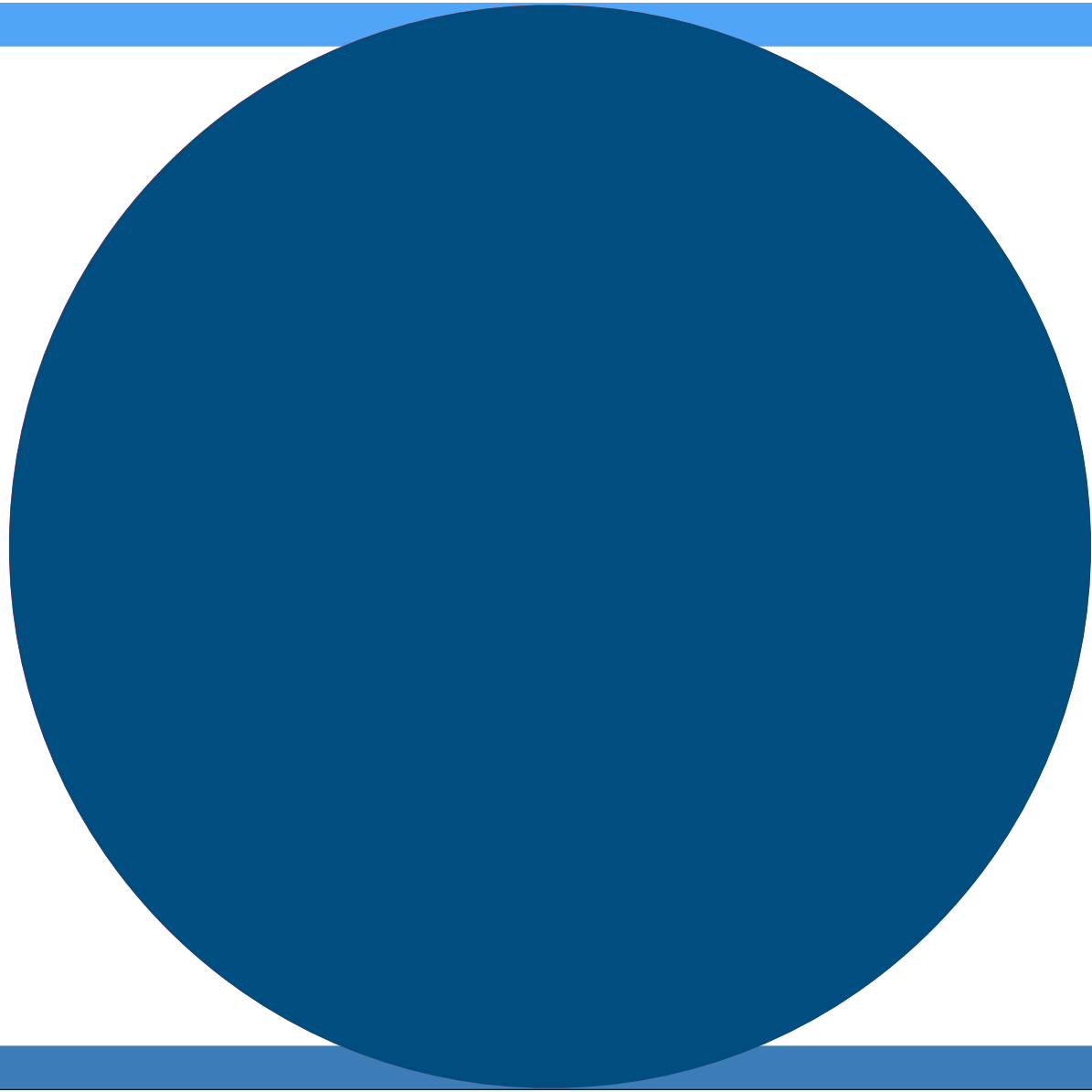
2.001











Quiz!

1. What is your name?

2. What are 3 aspects to consider in good graphic design?

3. Why is prototyping useful? (list as many reasons as you can)

ParSCORE™
TEST FORM
© ECONOMICS RESEARCH, INC. 1989

NAME Last Name, First Name
LAST FIRST MIDDLE

SUBJECT Course, Section, Instructor

DATE Test Number HOUR/ DAY Test Version (A,B)

T F T F

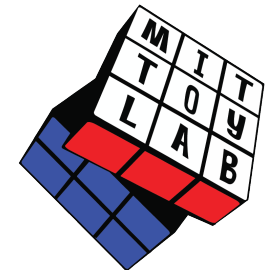
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2 A B C D E 52 A B C D E
3 A B C D E 53 A B C D E
4 A B C D E 54 A B C D E
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6 A B C D E 56 A B C D E
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26 A B C D E 76 A B C D E
27 A B C D E 77 A B C D E
28 A B C D E 78 A B C D E
29 A B C D E 79 A B C D E

DIRECTIONS
USE NO. 2 PENCIL ONLY
• MAKE DARK MARKS
• ERASE COMPLETELY TO CHANGE
• EX. (A) (B) (C) (D) (E)

CUID
1 2 3 4 5 6 7 8 9
0 0 0 0 0 0 0 0 0
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2 2 2 2 2 2 2 2 2
3 3 3 3 3 3 3 3 3
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5 5 5 5 5 5 5 5 5
6 6 6 6 6 6 6 6 6
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Mark Test Version
TEST FORM
(B) (C) (D)

EXAM NUMBER

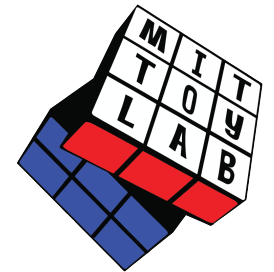
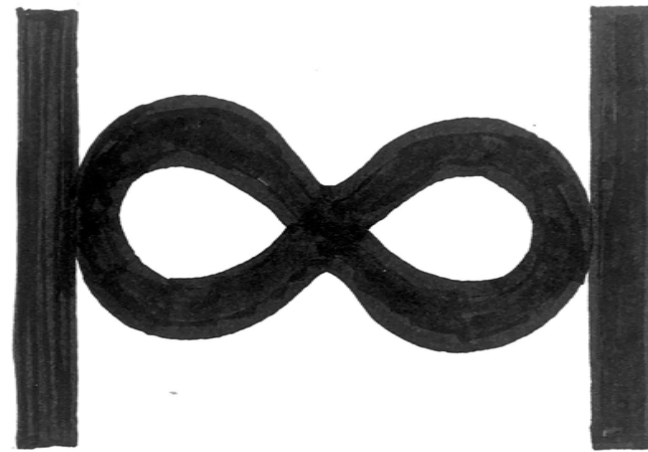


Quiz!

1. What is your name?
2. What are 3 aspects to consider in good graphic design?

s e m a n t i c s

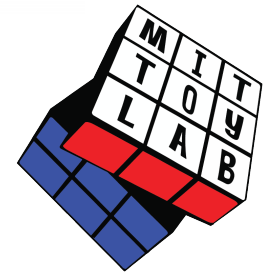
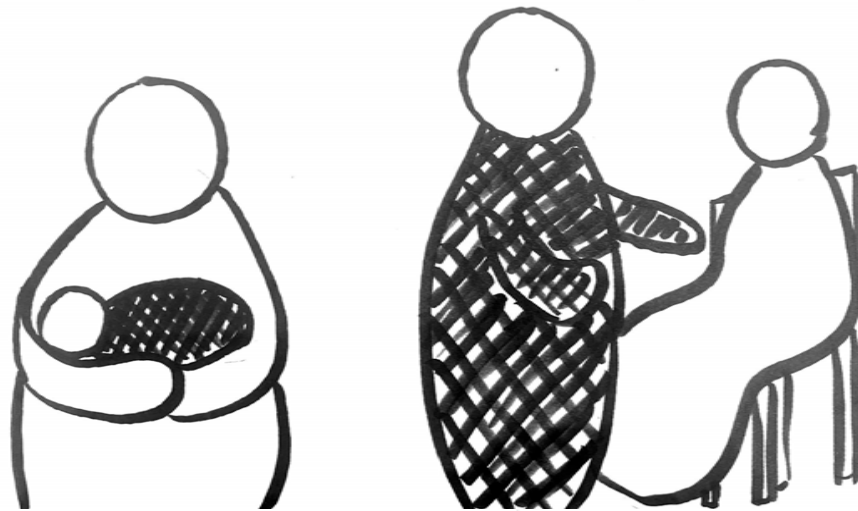
3. Why is prototyping useful? (list as many reasons as you can)



Quiz!

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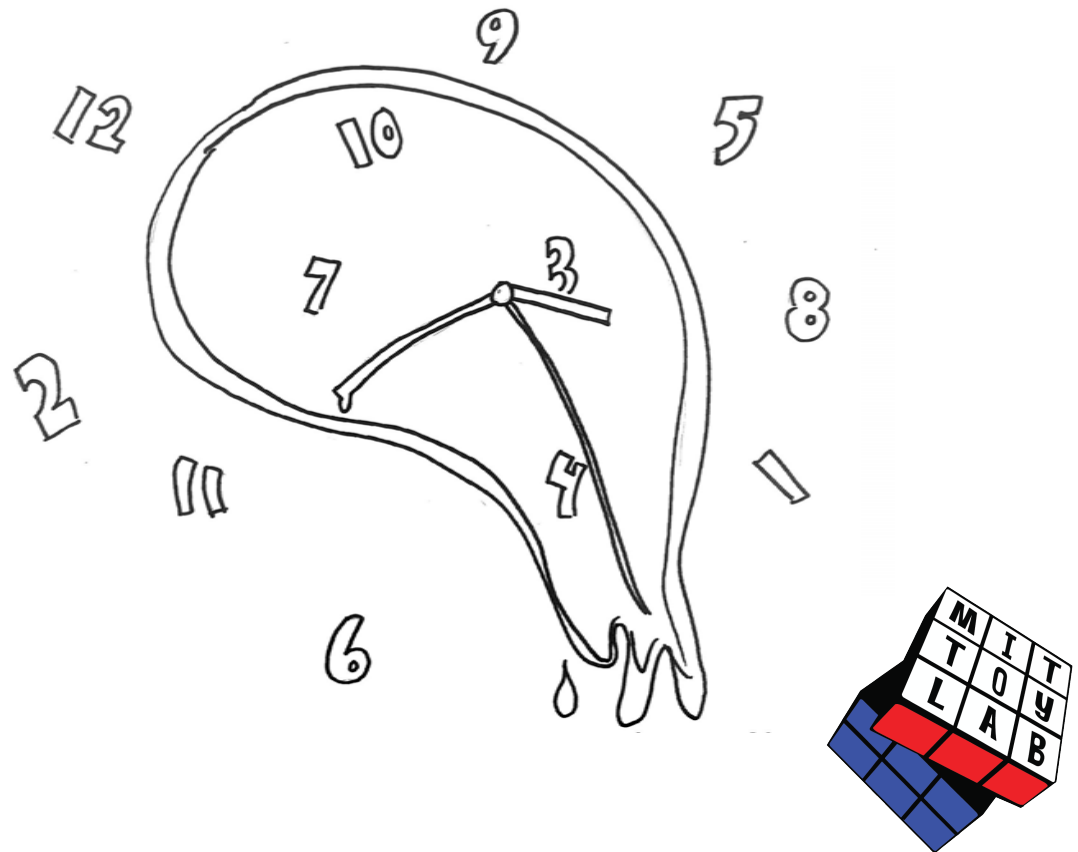
s e m a n t i c s



Quiz!

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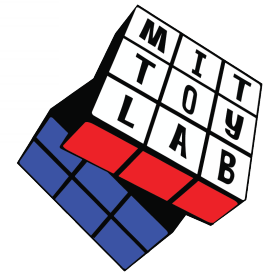
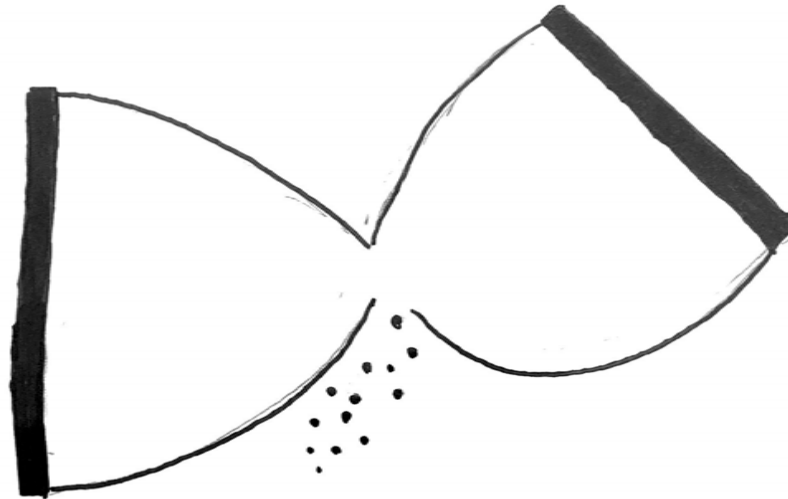
semantics



Quiz!

1. What is your name?
2. What are 3 aspects to consider in good graphic design?

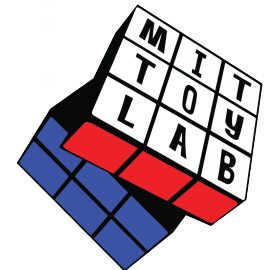
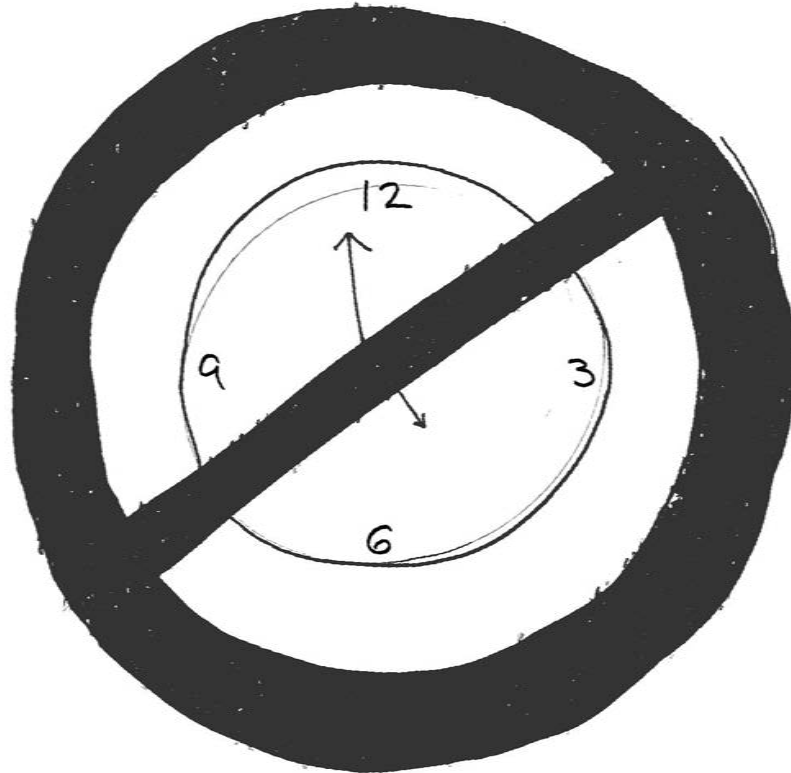
s e m a n t i c s



Quiz!

1. What is your name?
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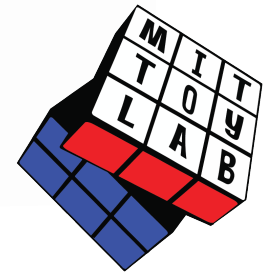
semantics



Quiz!

1. What is your name?
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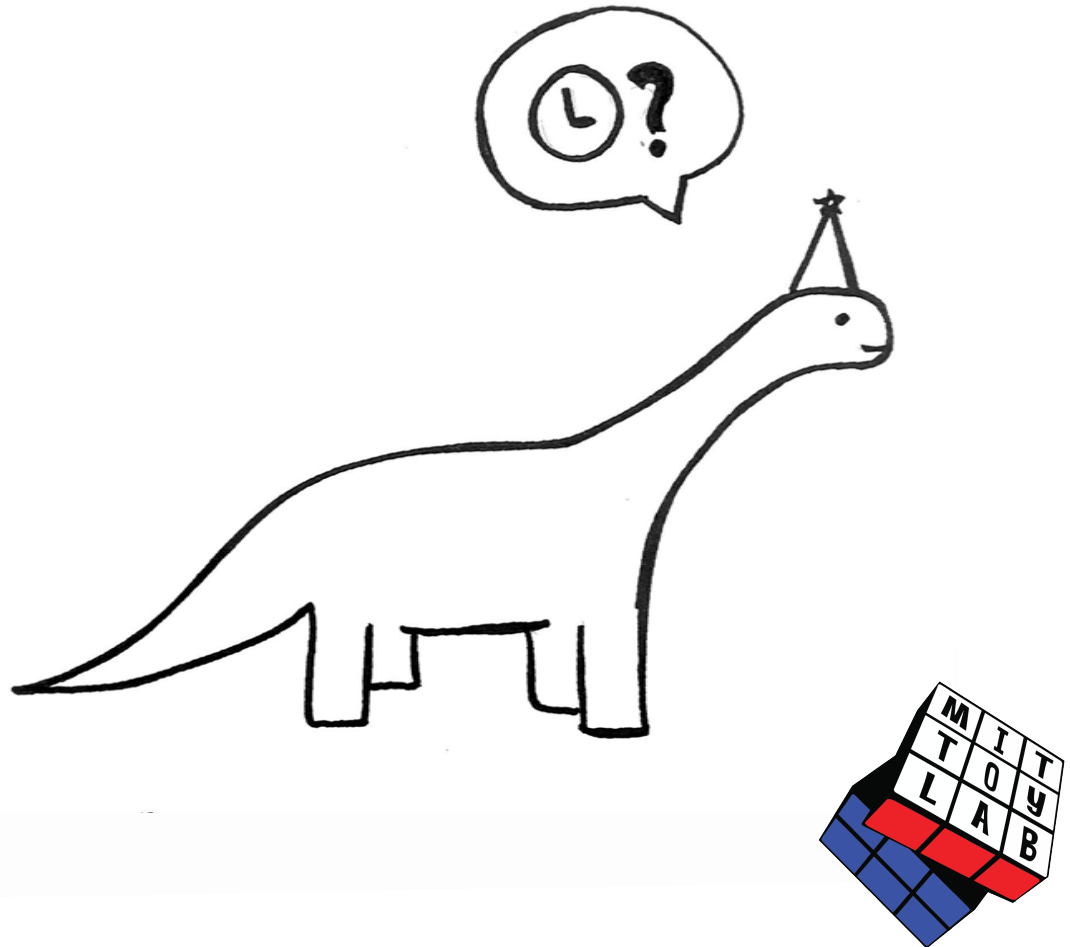
s e m a n t i c s



Quiz!

1. What is your name?
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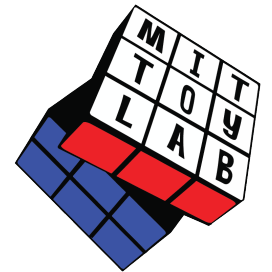
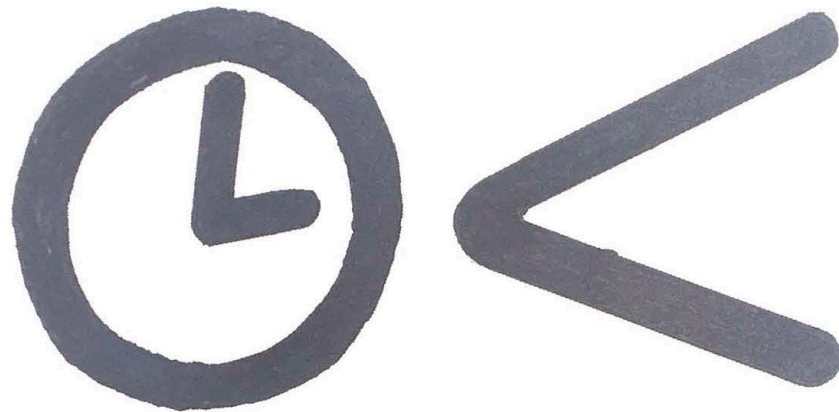
s e m a n t i c s



Quiz!

1. What is your name?
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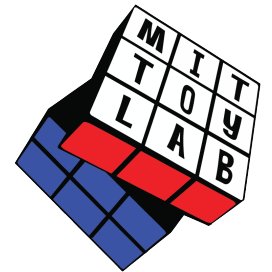
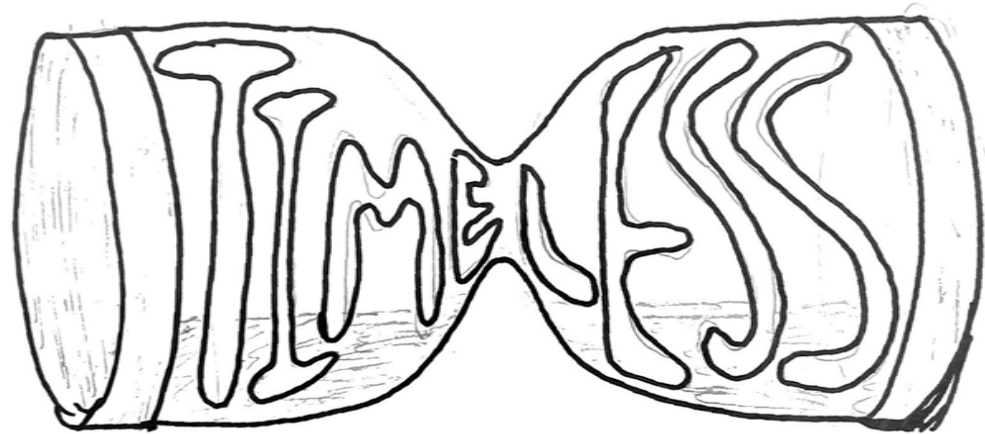
s e m a n t i c s
s y n t a x



Quiz!

1. What is your name?
2. What are 3 aspects to consider in good graphic design?

s e m a n t i c s
s y n t a x



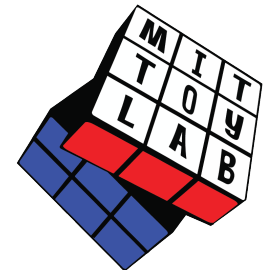
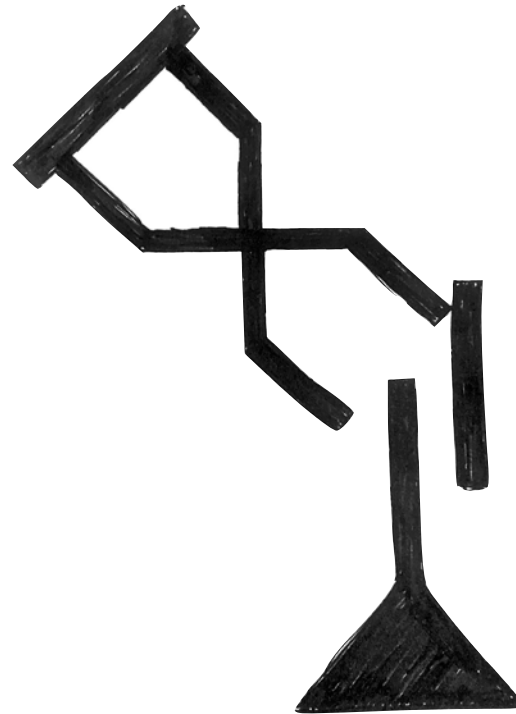
Quiz!

1. What is your name?
2. What are 3 aspects to consider in good graphic design?

s e m a n t i c s

s y n t a x

u s a b i l i t y

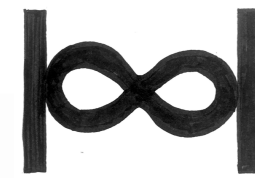
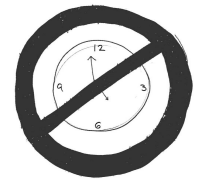
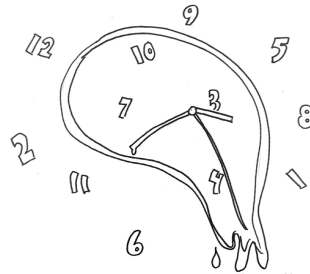
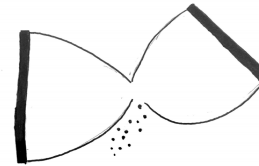
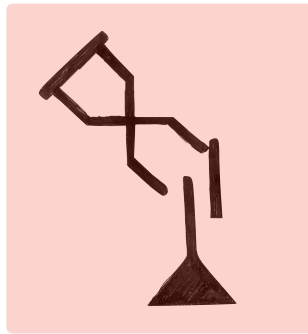


Quiz!

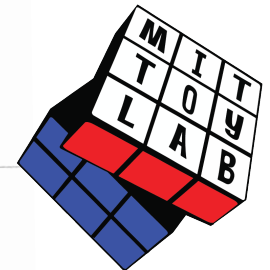
1. What is your name?

2. What are 3 aspects to consider in good graphic design?

semantics
syntax
usability



timeless



Quiz!

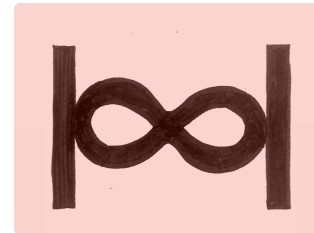
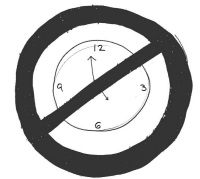
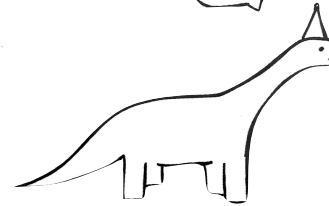
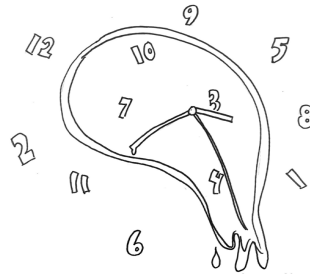
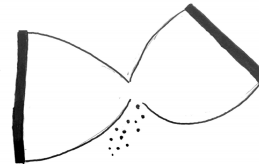
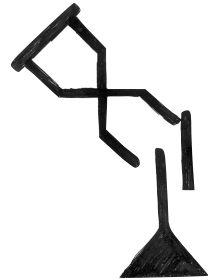
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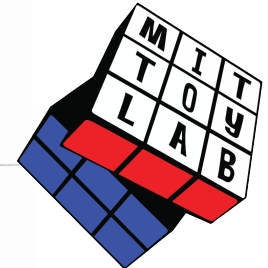
semantics

syntax

usability



timeless



Quiz!

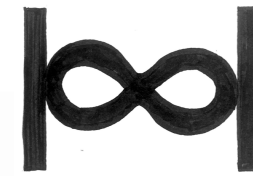
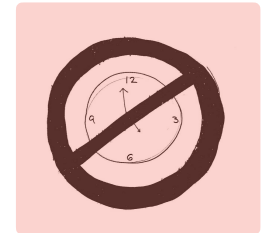
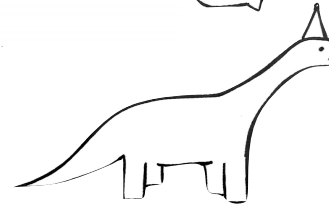
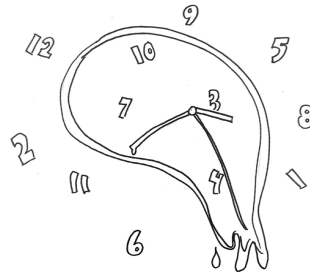
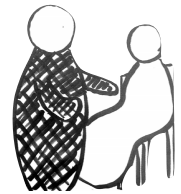
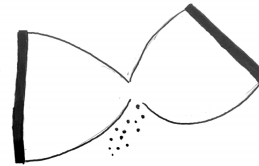
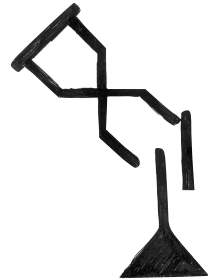
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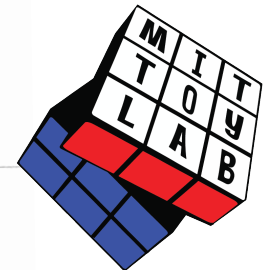
semantics

syntax

usability



timeless

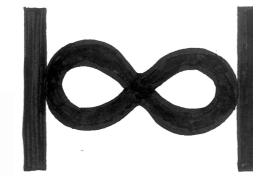
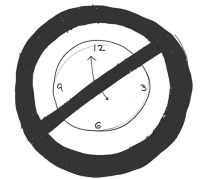
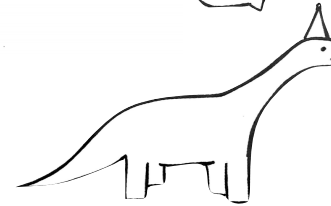
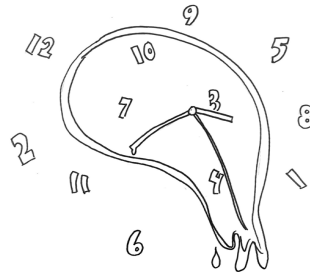
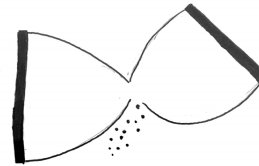
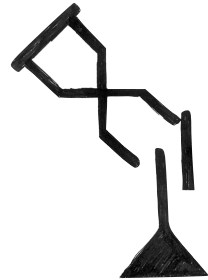


Quiz!

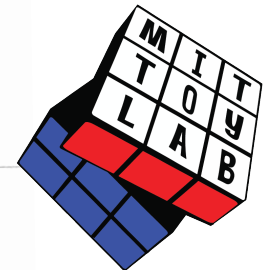
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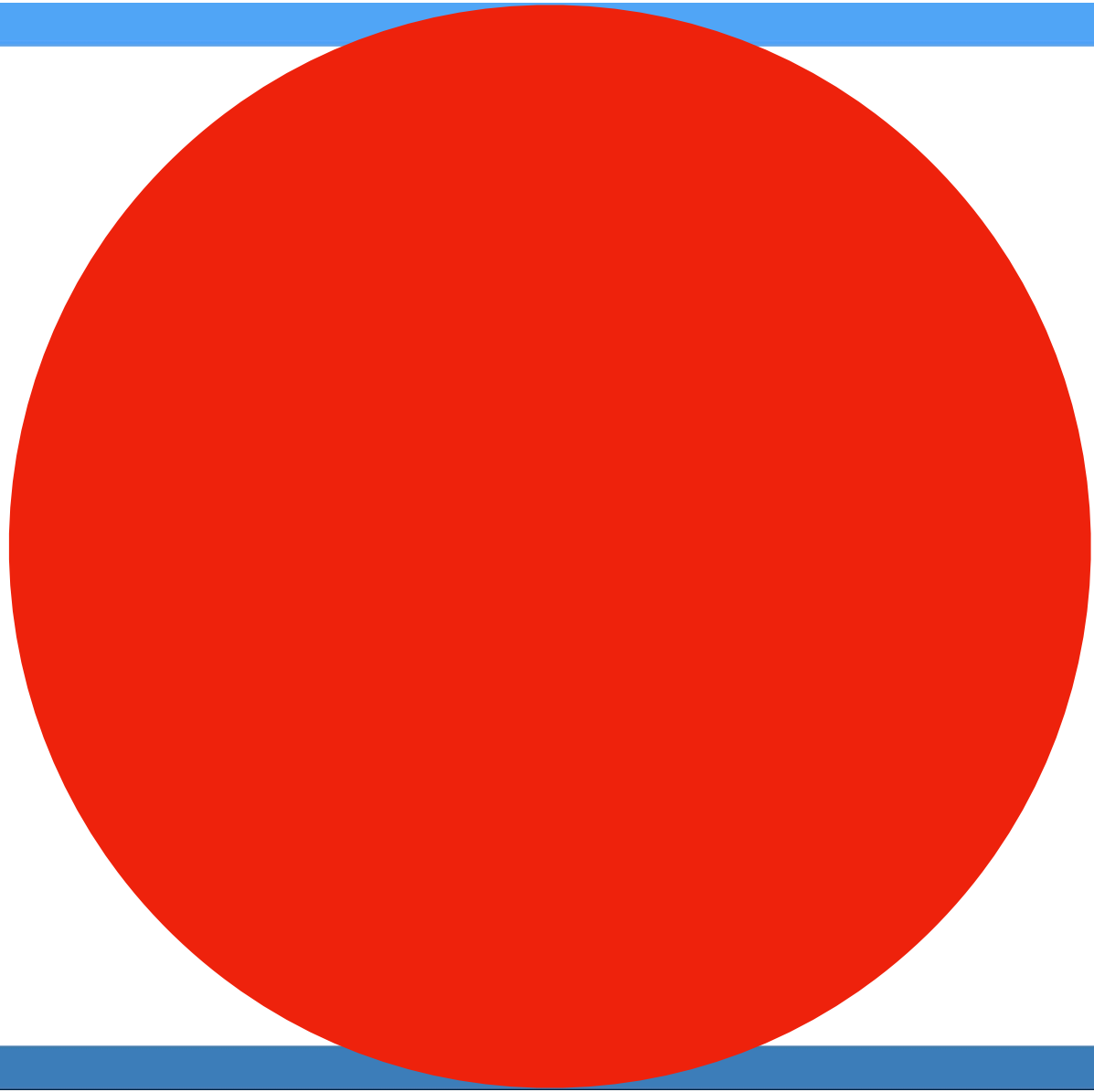
semantics
syntax
usability

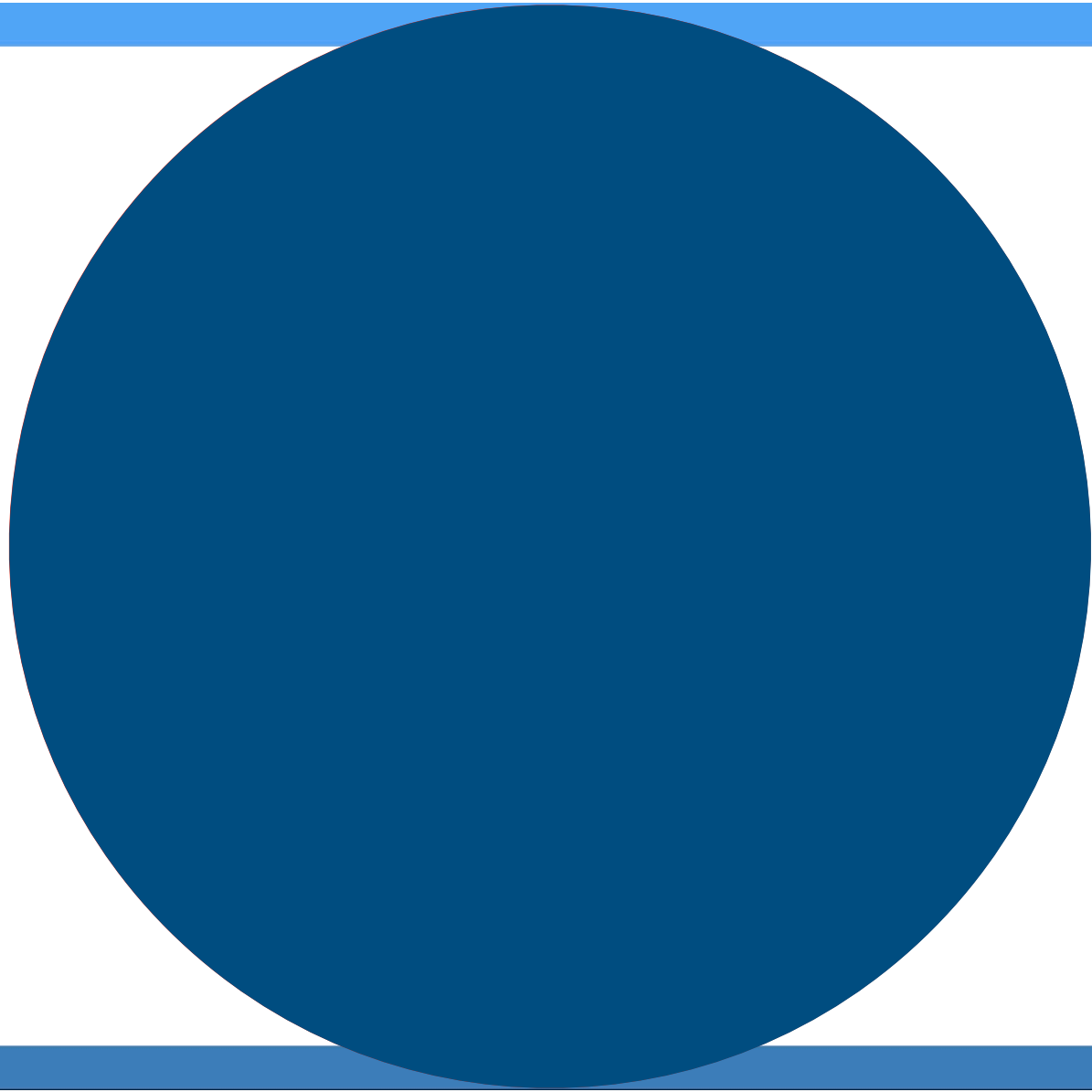


timeless







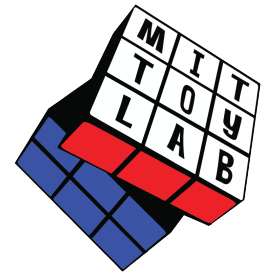


Semantics

feel: visual emotions

I found I could say things with **color**
and **shapes** that I couldn't say any other
way—things I had no words for.

Georgia O'Keeffe

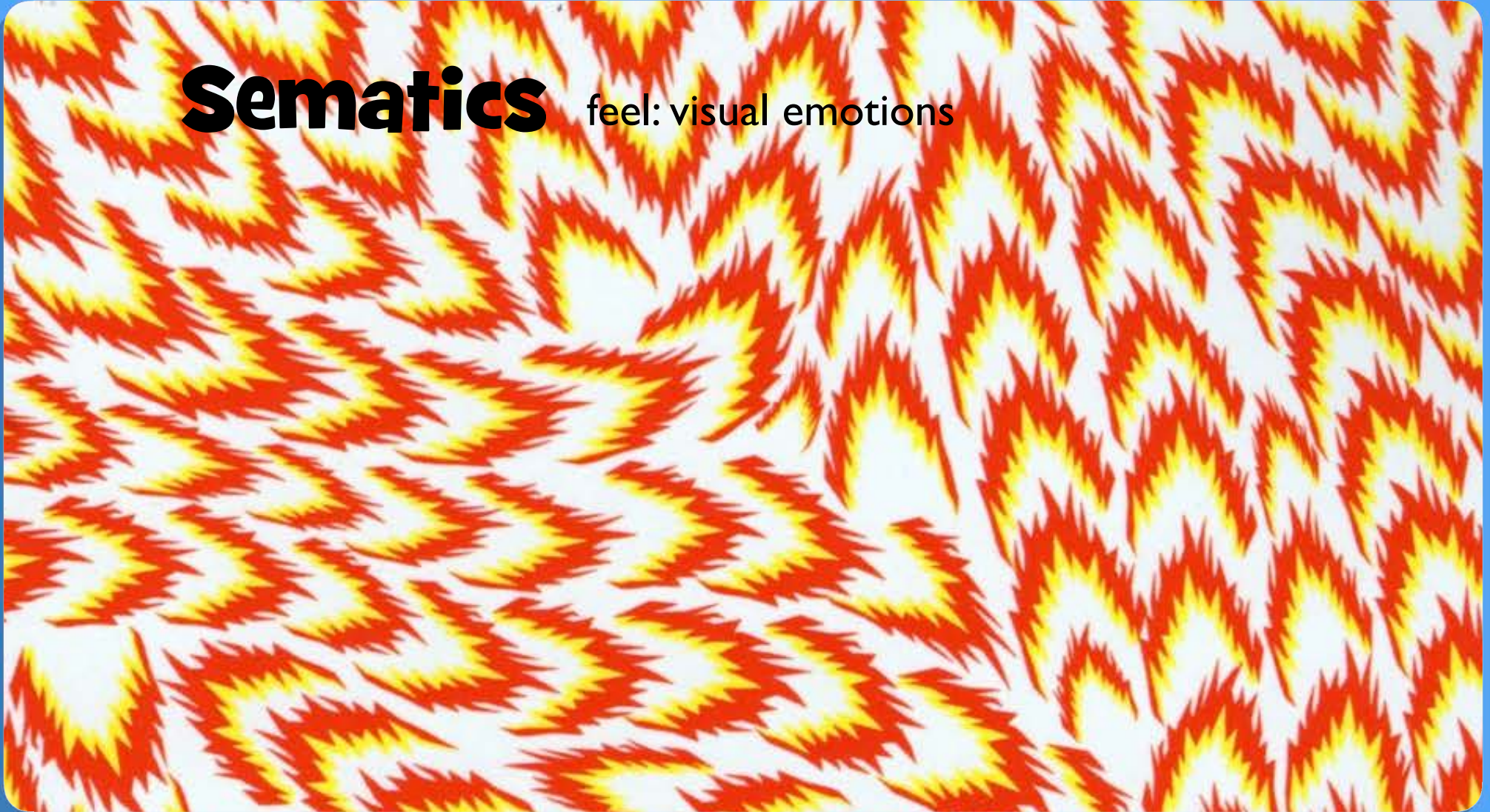


Semantics

feel: visual emotions

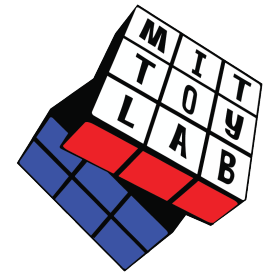
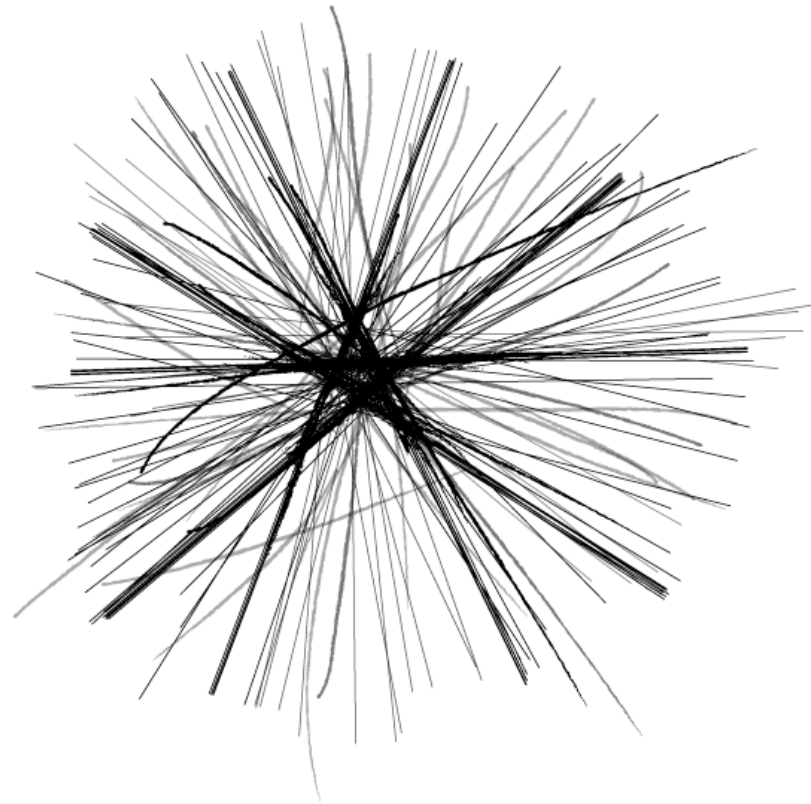


Semantics feel: visual emotions



Semantics

feel: visual emotions



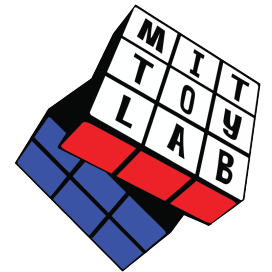
Sematics

in font form

in font color

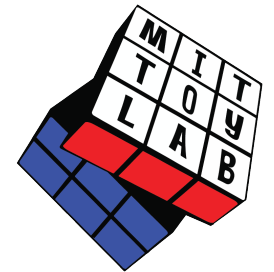
I'll always find you

**I'LL ALWAYS
FIND YOU**

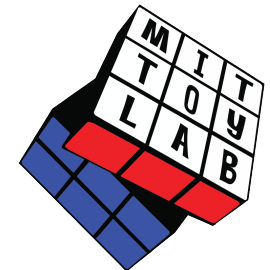


Usability

●
focus!



Usability



Usability

flow





Important information: Please see MIT's Response to the Challenge of Covid-19 to understand how MIT is closely monitoring and responding to the Covid-19 situation.



Important Commuting Benefits Notice: Cambridge-based employees will receive increased commuter rail pass subsidies for January – March (75% discount). Note that the Atlas system does not show this temporary change in pricing; however, payroll will accurately deduct the smaller amounts for those months. For further information please contact mitparking@mit.edu.

MENU

edit

- Time and Vacation Entry
- Buying
- My Reimbursements
- Service Requests
- Learning Center
- Event Planning
- Event Approval Inbox

FULL MENU

Tax Workshops for MIT Students and Scholars

Friday March 3, 2023

Learn about filing your 2021 federal and state taxes—filing dates, forms, resources and more!

7:00 pm - 8:00 pm EST

Nonresident International Students

(Generally International Students living in the U.S. 5 years or fewer)

<https://mit.zoom.us/j/91876652659>

8:00 pm - 9:00 pm EST

U.S. Citizens and Resident Students and Scholars

(Resident International Students living in the U.S. 5+ years, International Scholars in the U.S. 2+ years)

<https://mit.zoom.us/j/98963398542>

Learn about filing your 2021 taxes

MIT Students and Scholars are invited to attend VPF-hosted tax workshops to learn about filing 2021 federal and state taxes.

[Learn more](#)

Open to MIT community with Kerberos ID. No registration required.

Submit questions in advance here: <https://go.mit.edu/vpftaxworkshop>

Feedback



MIT NOW

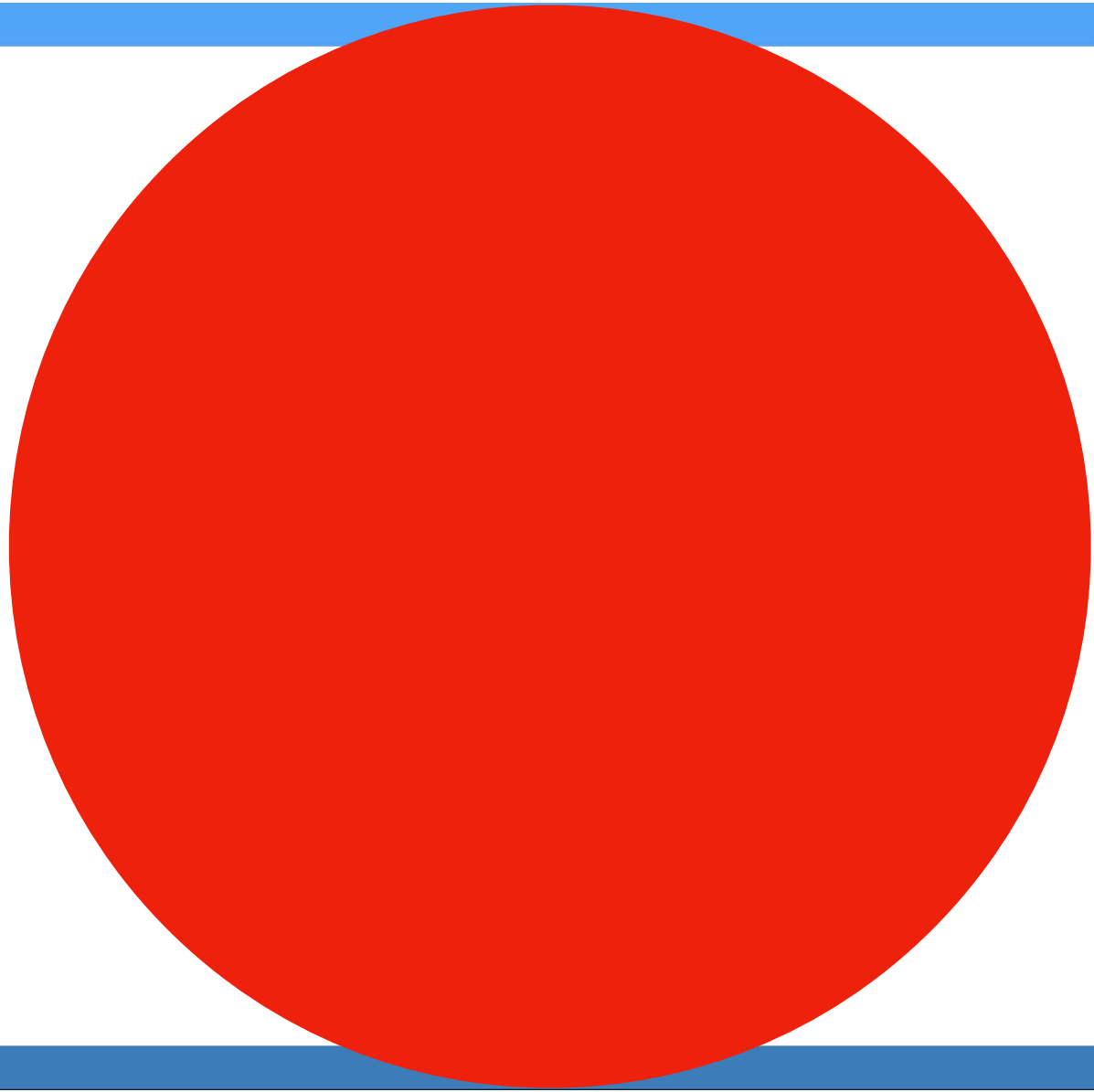
Ongoing updates on MIT's Response to the Challenge of Covid-19

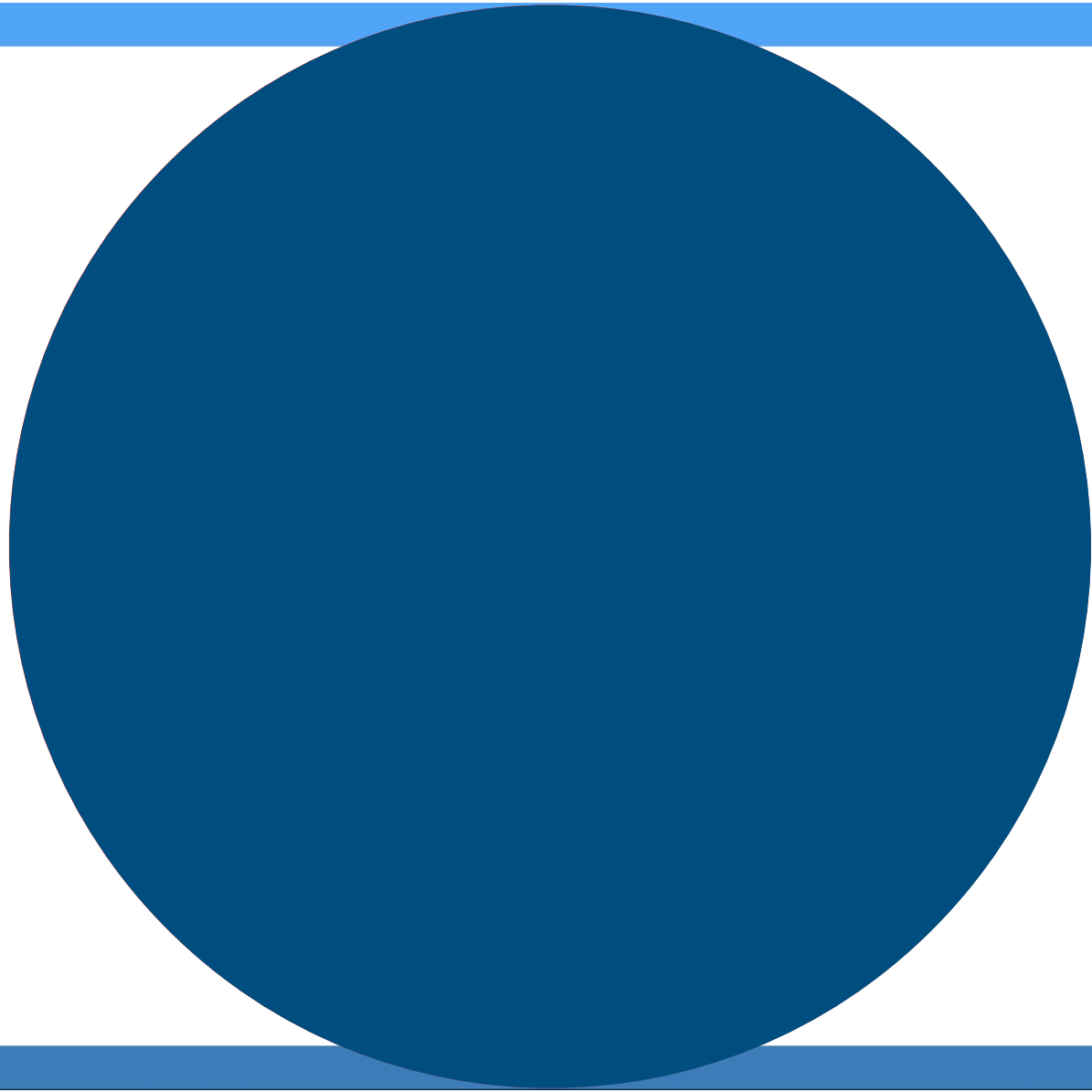
Atlas Service Center

The in-person Atlas experience.

MIT Covid Apps

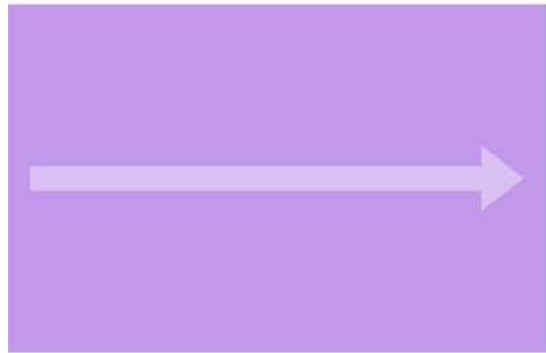
Managing campus access during the Covid-19 pandemic



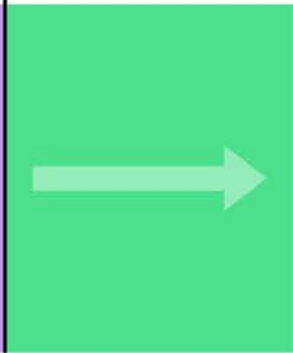




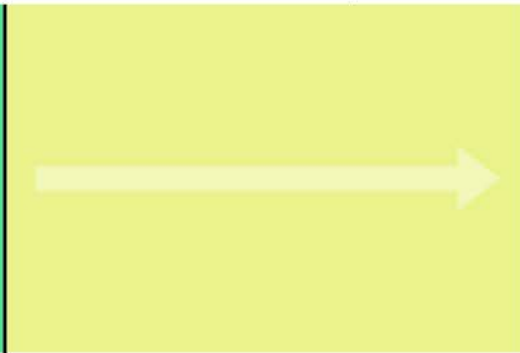
**Toy Pitch
Presentation**
March 10
3 ideas per team



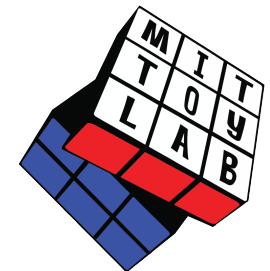
**Sketch Model
Presentation**
April 16-17
2 concepts, 4 models



**Design
Review**
May 2-4
1 concept, 2 models

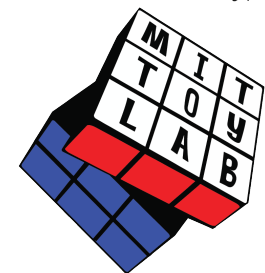


**Final
PLAYsentations**
May 15
1 final prototype



**Toy Pitch
Presentation**

March 10
3 ideas per team



**Toy Pitch
Presentation**

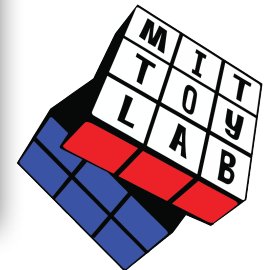
March 10
3 ideas per team

March

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	31	

April

Su	Mo	Tu	We	Th
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
23	24	25	26	27
30				

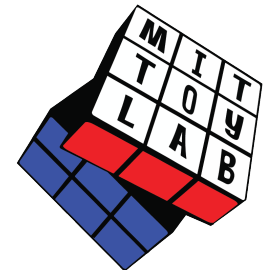


idea pitch!

3 ideas/team, in **vertical**
poster format

45 second pitch per idea

FRANKENPITCH

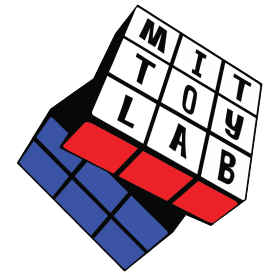


idea pitch!

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FRANKENPITCH



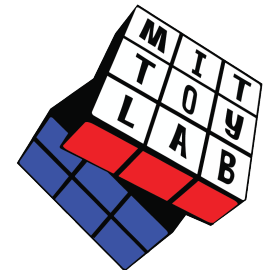
idea pitch!

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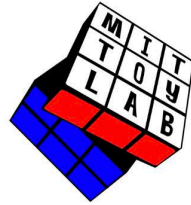
used in first play testing

FRANKENPITCH



pitch feedback





[Course Info](#)
[Syllabus](#)
[Course Staff](#)
[Teams](#)
[Care Bears](#)
[Portfolios](#)
[Slideshows](#)
[Toy Museum](#)



designy

Accessibility

Toy Product Design

2.00b

Hello, and welcome to 2.00b!

Lectures Lecture videos are available [on request](#).

Fri, Mar 10: Making your pitch. It's going to be an exciting ride!

Lecture 9: Sketchy play! Are you red, or blue? Be ready for some action!

Lecture 8: The (elevator) ride [handouts](#)

Labs Week of Mar 6

Lab 4: pew pew Pugh! Getting ready for your magic elevator ride!

In lab, you'll pinup your new idea sketches, and select your team's three ideas. Then, you'll work on your posters for your idea pitches, 45 seconds per idea, that will be during class on Friday the 10th!

Please bring your 3 updated ideas for pinup, and submit one idea for your portfolio. See the [details](#).

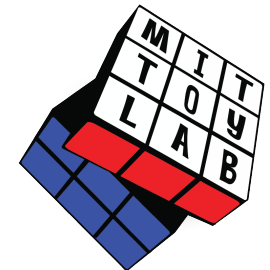
Before Lab to-dos

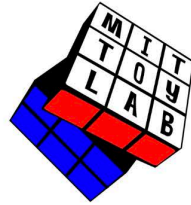
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- Watch the [CI Tips for Ideas Presentation](#) video

In lab (or as a team):

[Signup](#) for an idea pitch feedback session

Things to-do





Toy Product Design

2.00b

Hello, and welcome to 2.00b!

- Course Info
- Syllabus
- Course Staff
- Teams
- Care Bears
- Portfolios
- Slideshows
- Toy Museum



Accessibility

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Labs

Week of Mar 6

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Before Lab to-dos

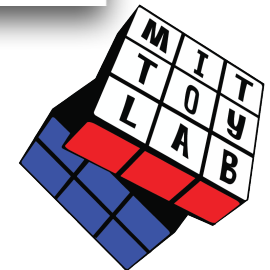
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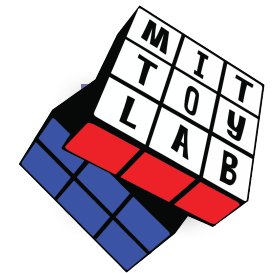
In lab (or as a team):

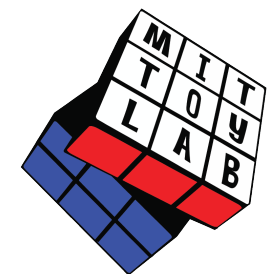
[Signup](#) for an idea pitch feedback session

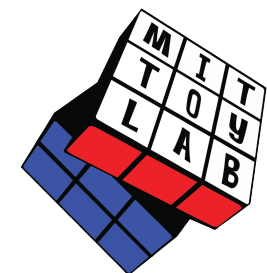
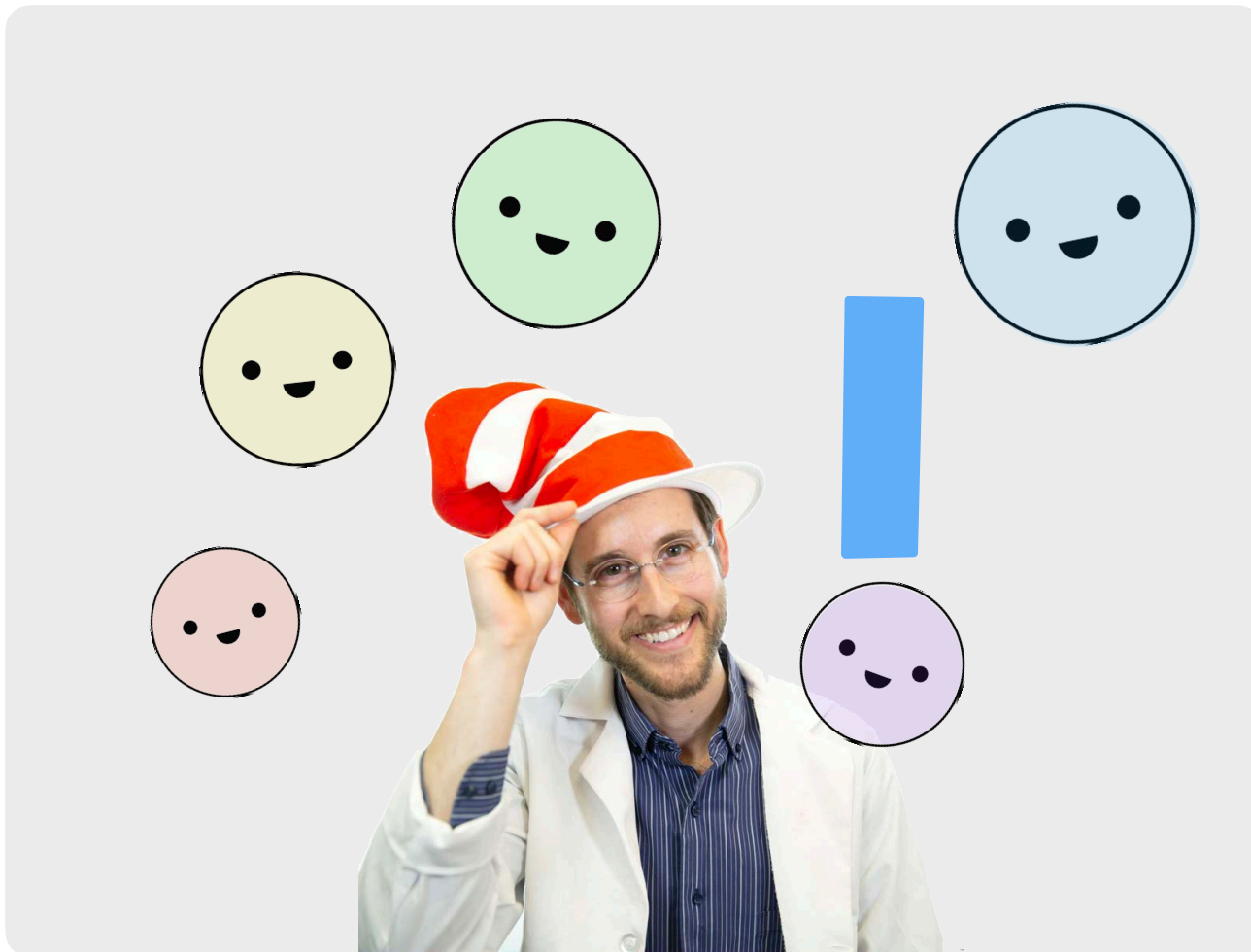
Things to-do

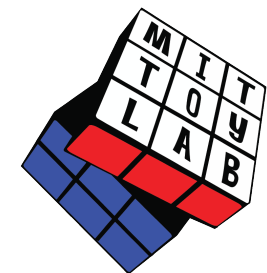
March						
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

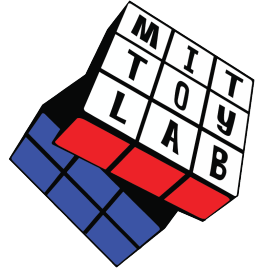
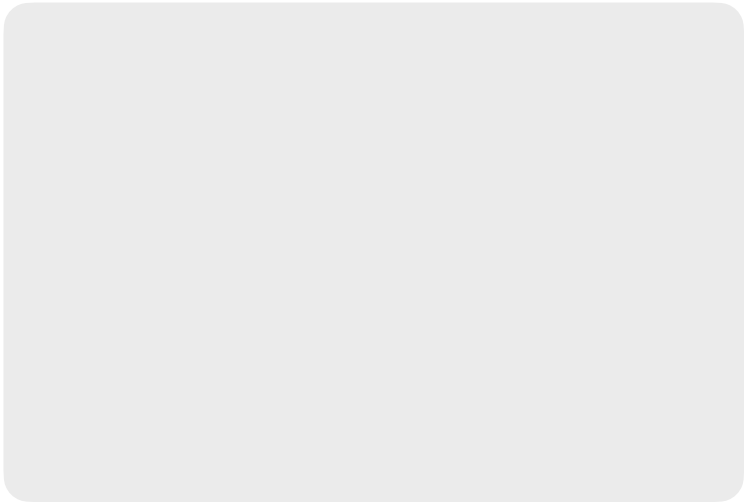
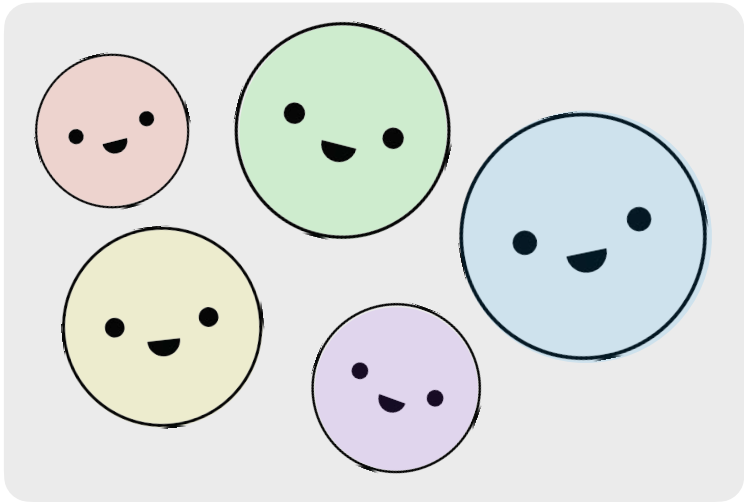




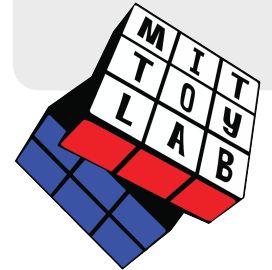




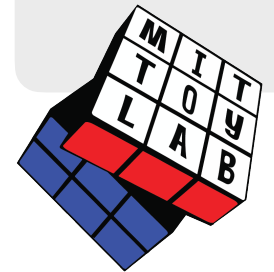


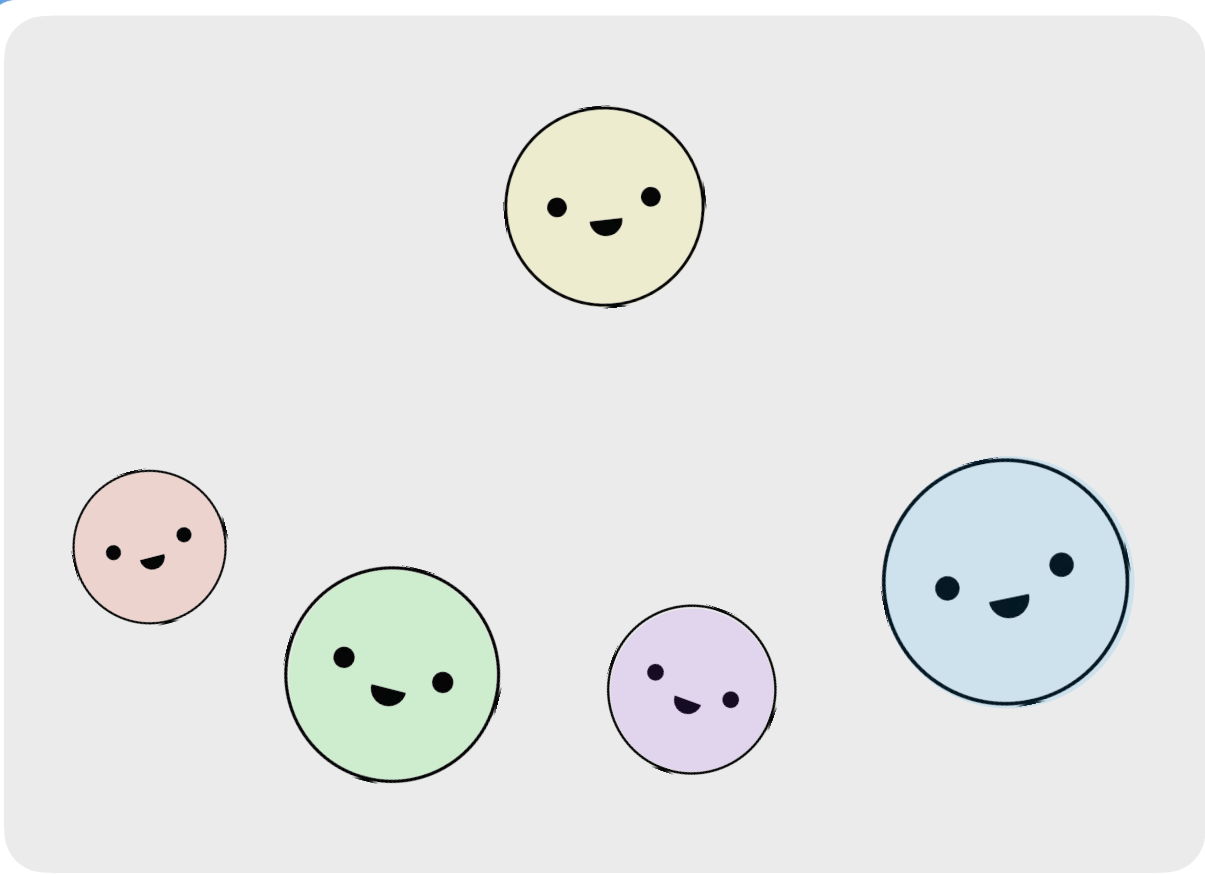


IO

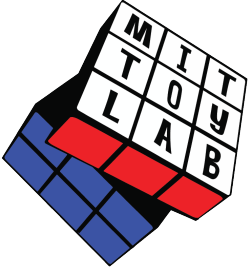


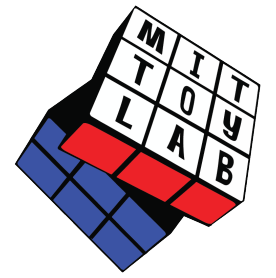
IO

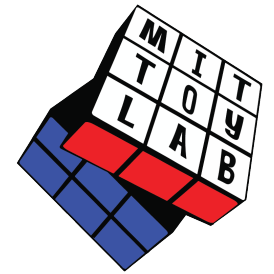




30





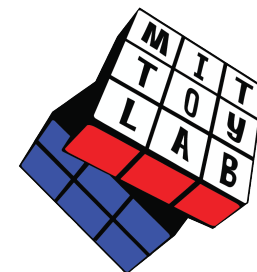


March

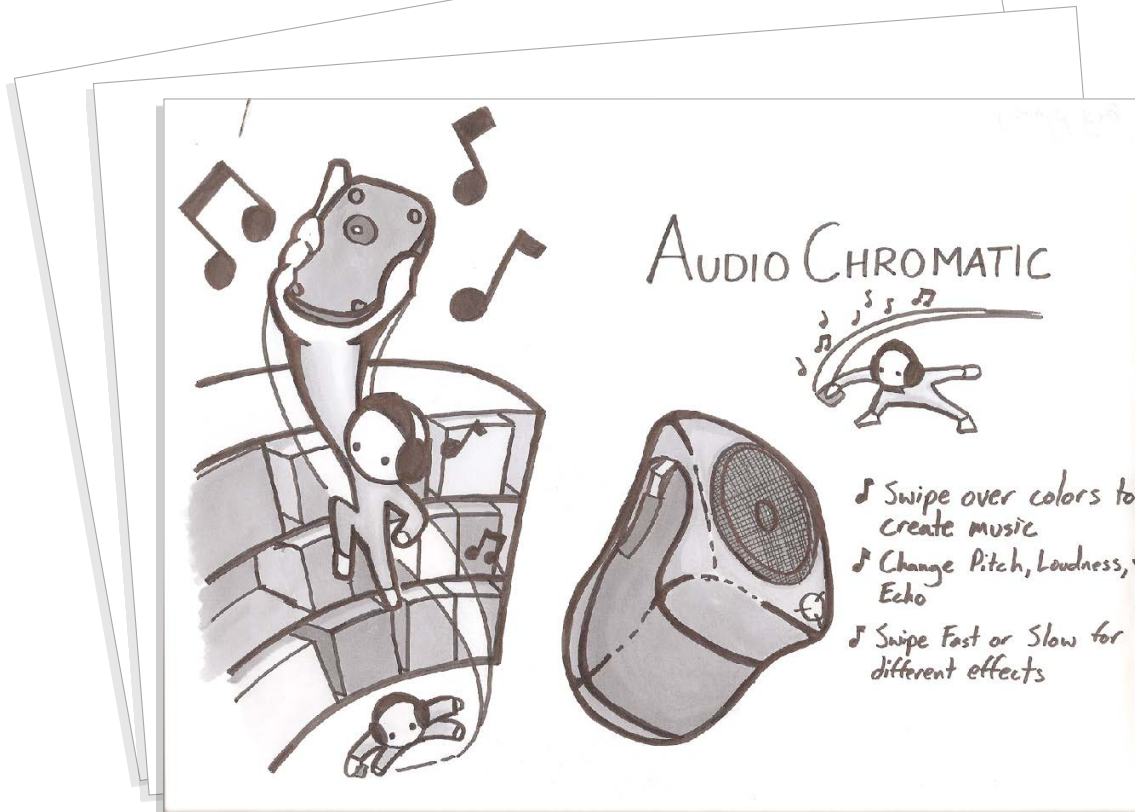
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

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						



Lab Deliverable!



Bring top 3 new or updated ideas

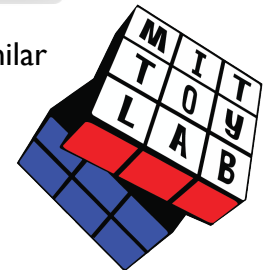
3 sketches in your notebook,
3 refined, *shaded* sketches on 8.5 x 11" paper



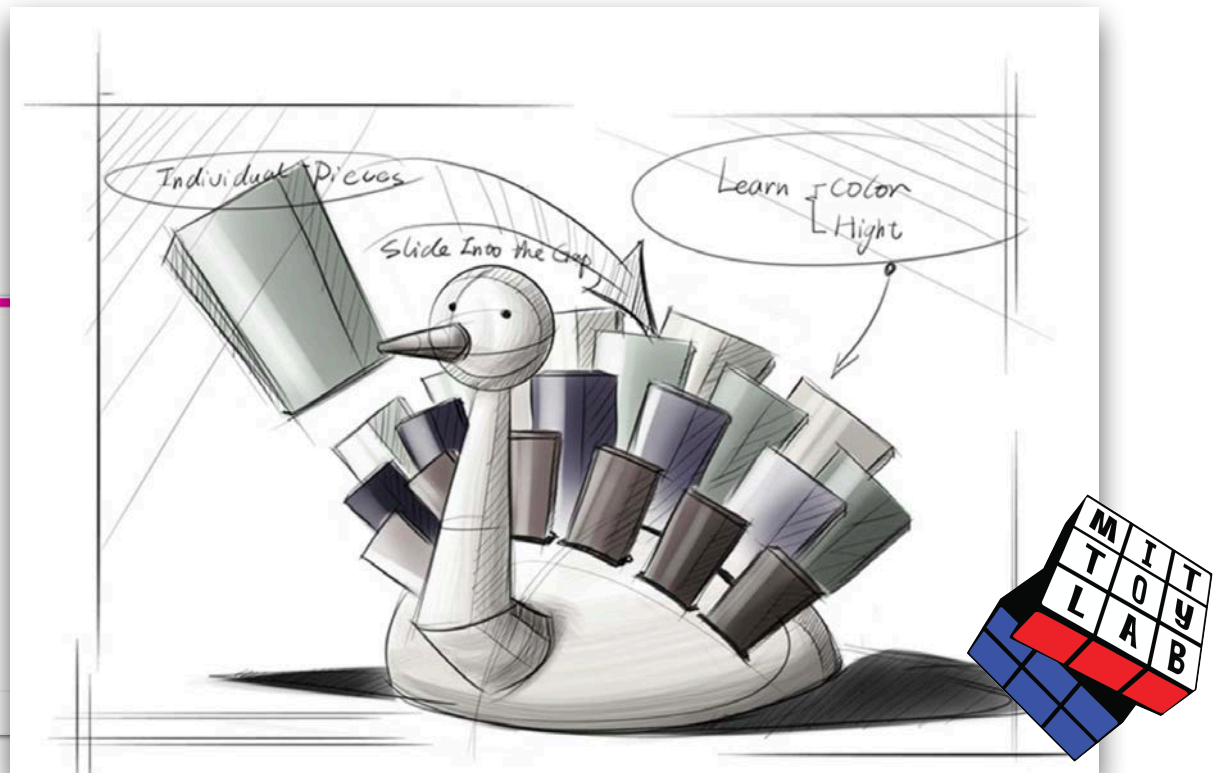
Reminder!

Your team's final toy will come from one of the ideas generated so far.

Identify toys that are most similar on the market



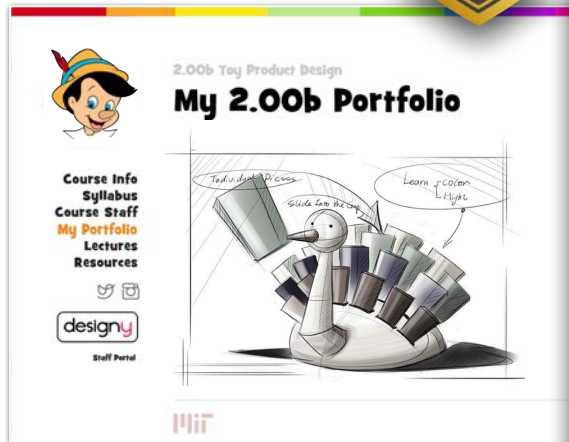
Another portfolio piece!



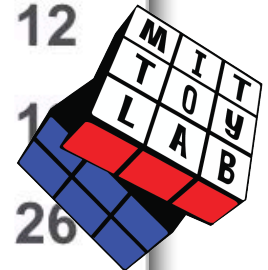
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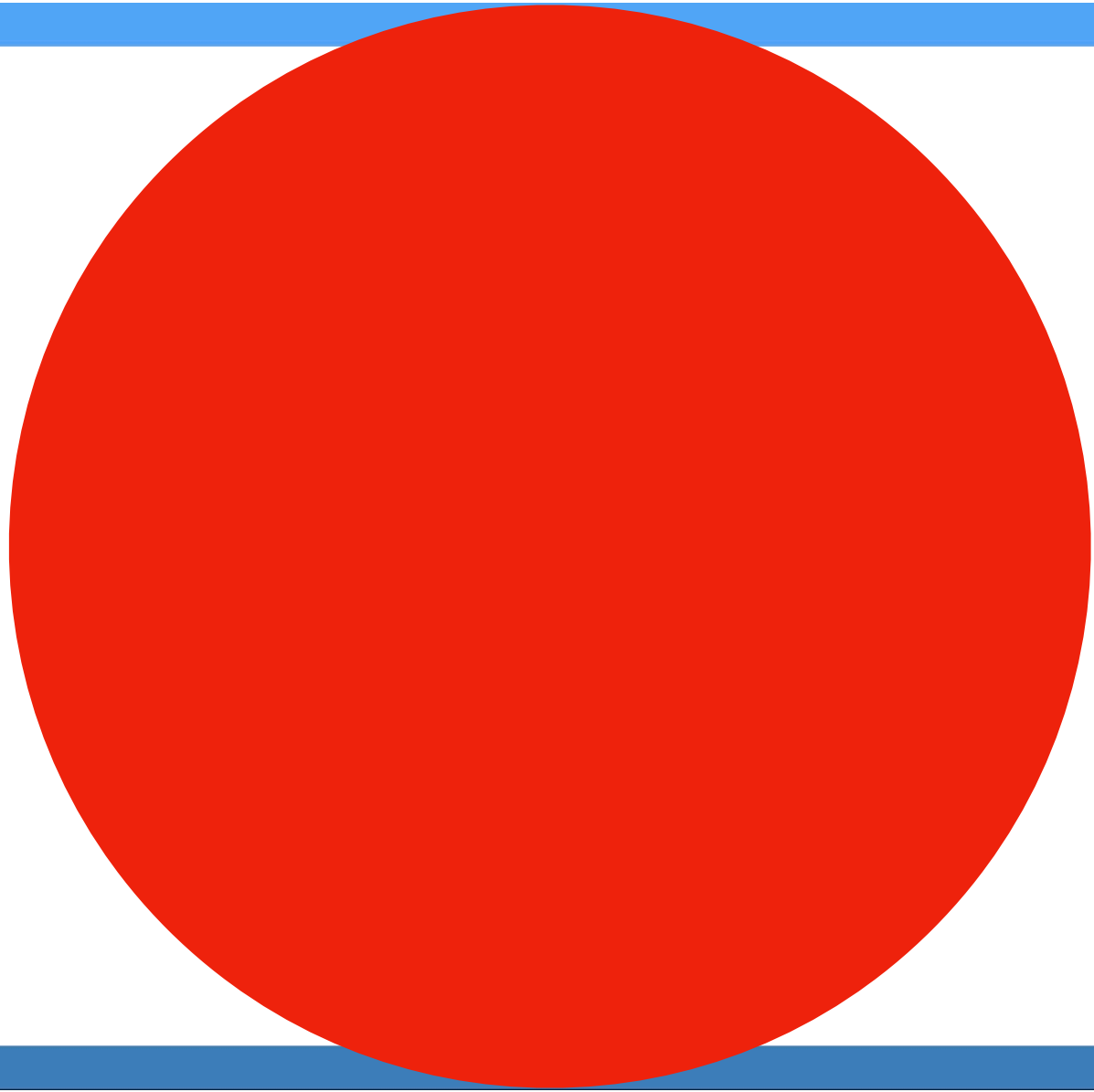


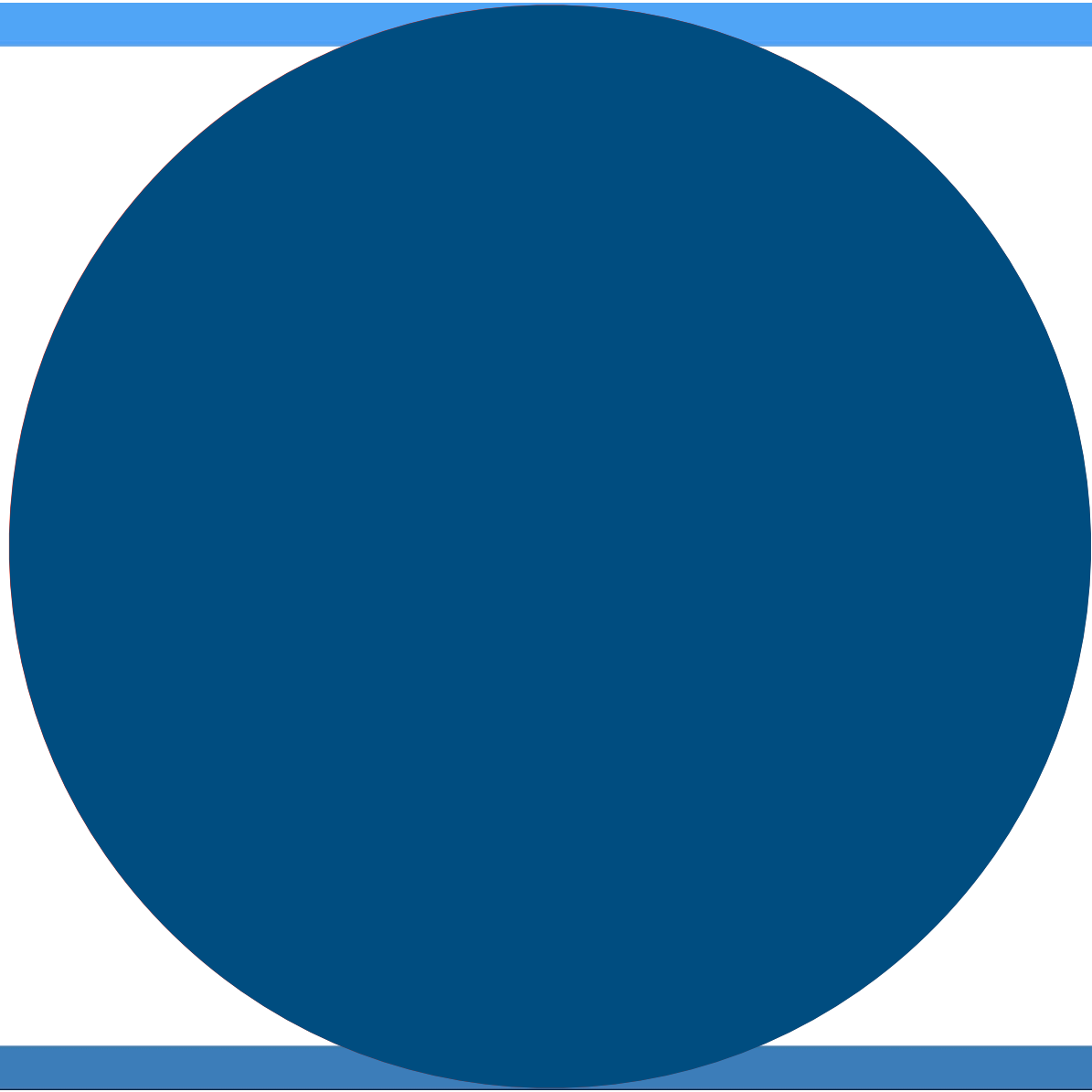
March



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	31		



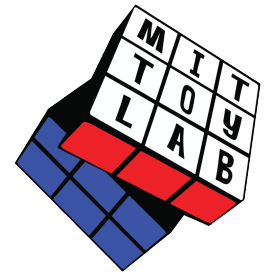








sketchy
play

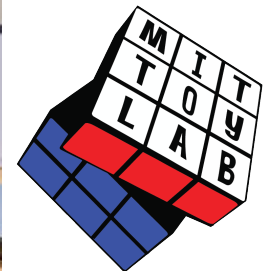


Prototyping!

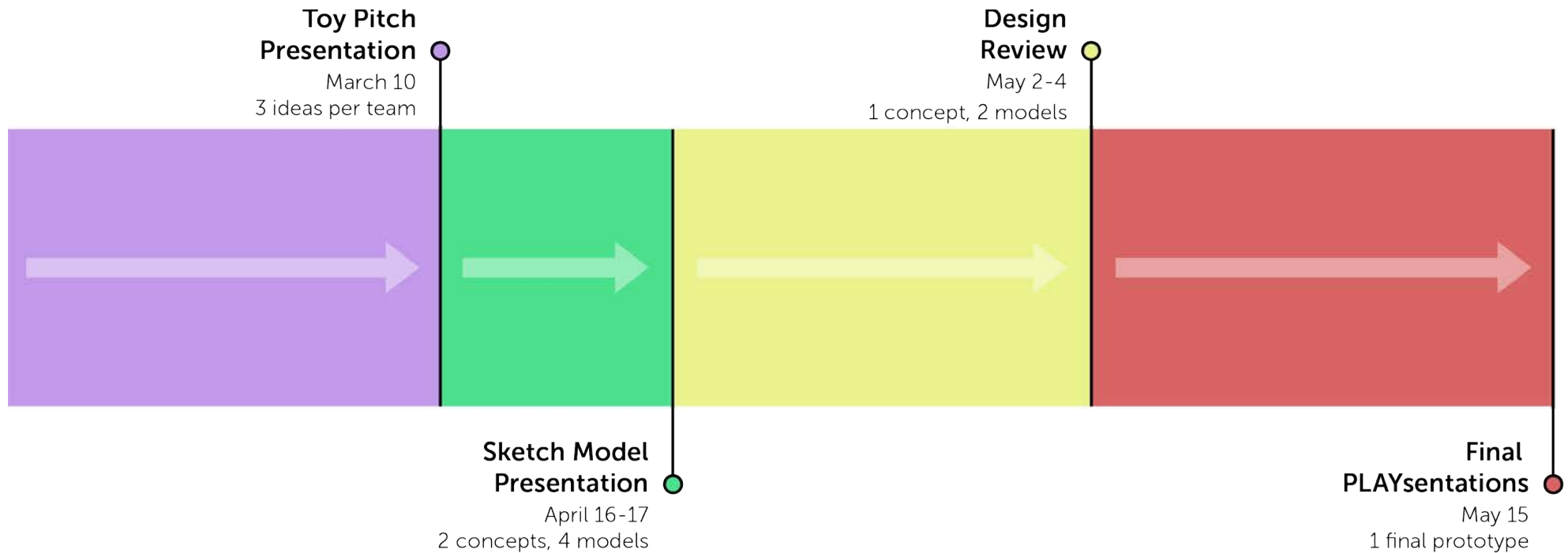
Communication

Learning

Milestone



Project workflow



What is a sketch model?

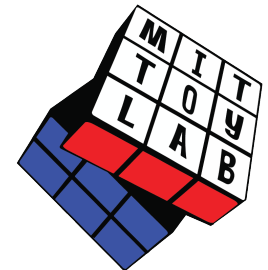
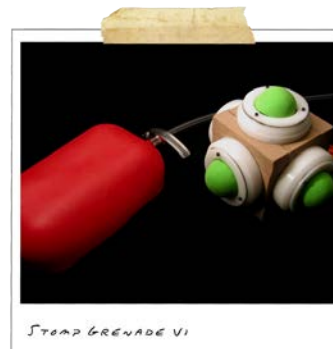
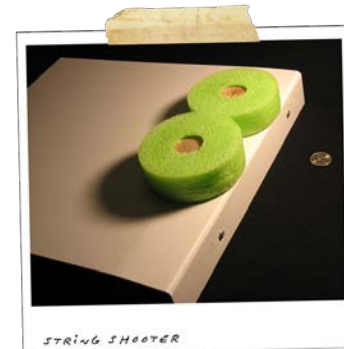
Sketching in 3-D!

A quick way to explore key questions and further develop the idea

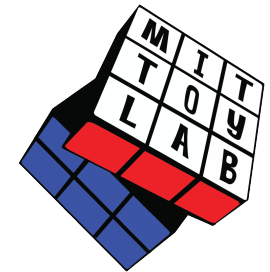
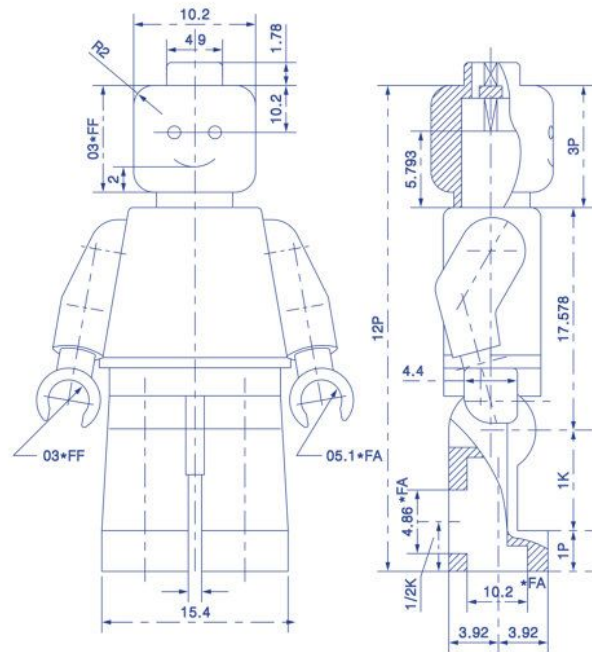
A sketch model explains more than a poster!

What is the play?

Is it fun?



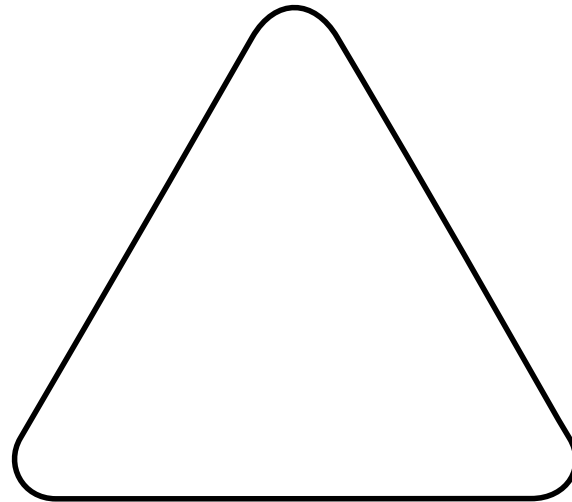
Dimensions of prototyping



Dimensions of prototyping

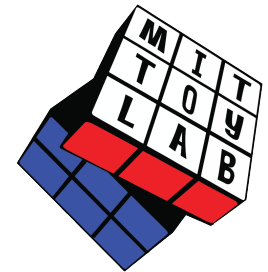


plays like
how does it ~~play~~ **play**?
how is it implemented?



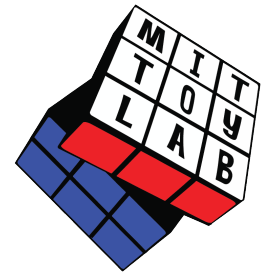
looks like
what is the form?
how does it feel?

predicts like
how do we simulate behaviour?



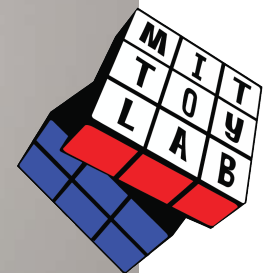
Sketch modeling materials

inexpensive and fast!





Foamcore

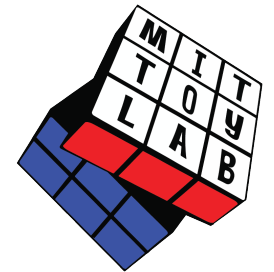


Foamcore

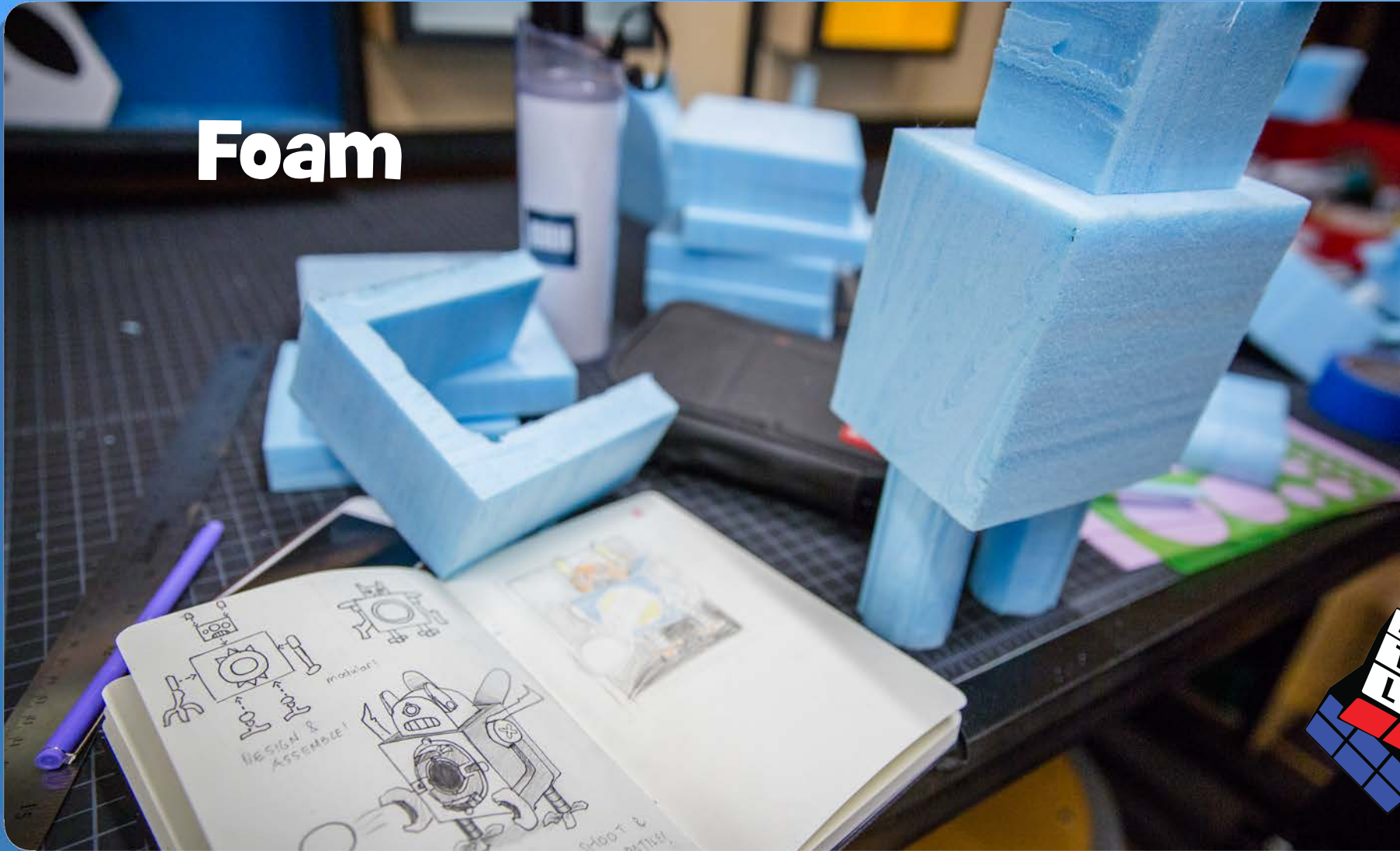
Light and Stiff

Easily cuts with box cutters & attaches with hot glue

Can be used to make large forms



Foam

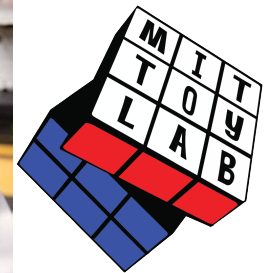


Blue foam

Light and Stiff

Quick to shape into 3D forms

Easily cuts on hot wire cutter



Sketch modeling materials

Inexpensive and fast!

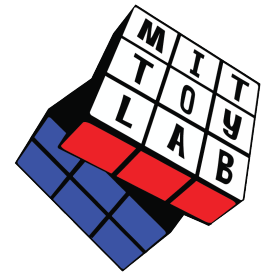
Foamcore

Blue foam

Wood / cloth

Scavenged / repurposed parts

Anything that works!

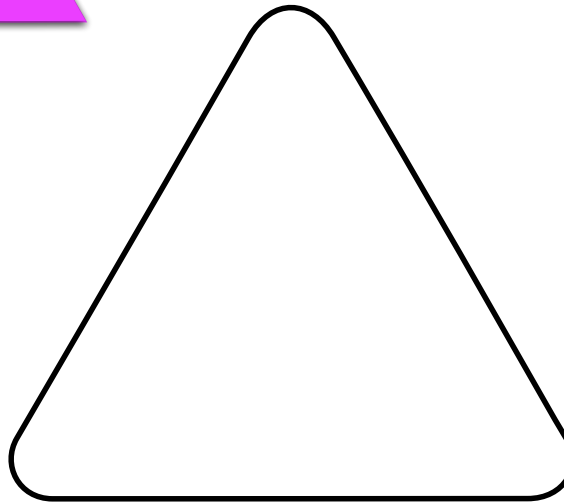


Dimensions of prototyping



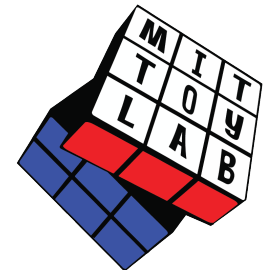
3 concepts!

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



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

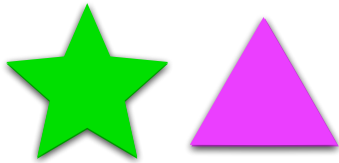
predicts like
what are the physical principles?



our first play testing

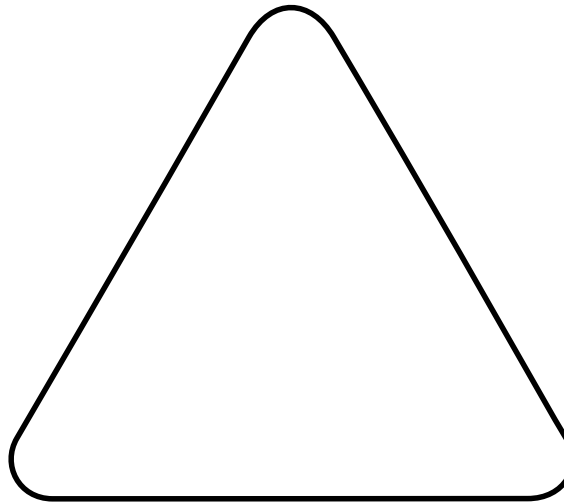


Dimensions of prototyping



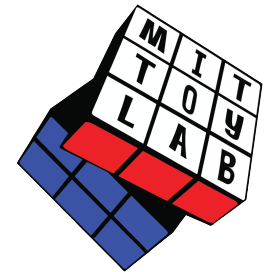
2 concepts!

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

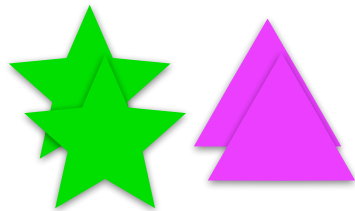


looks like
what is the form?
how does it feel?

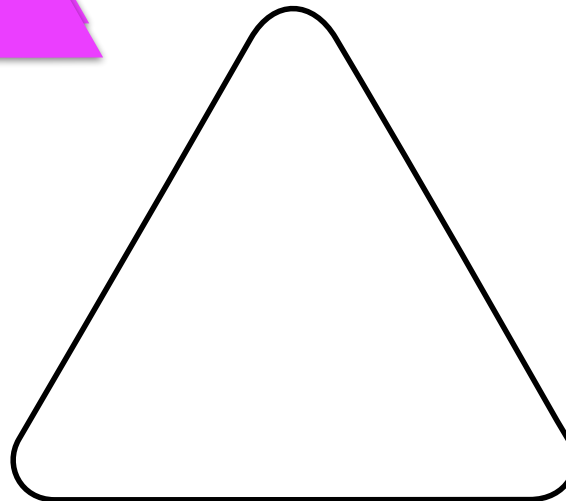
predicts like
what are the physical principles?



Dimensions of prototyping

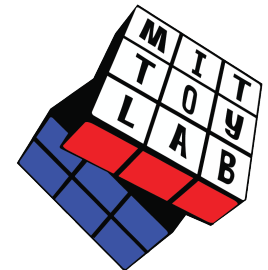


plays like
what is the play?
how is it implemented?

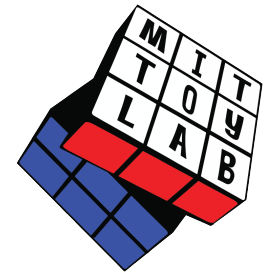
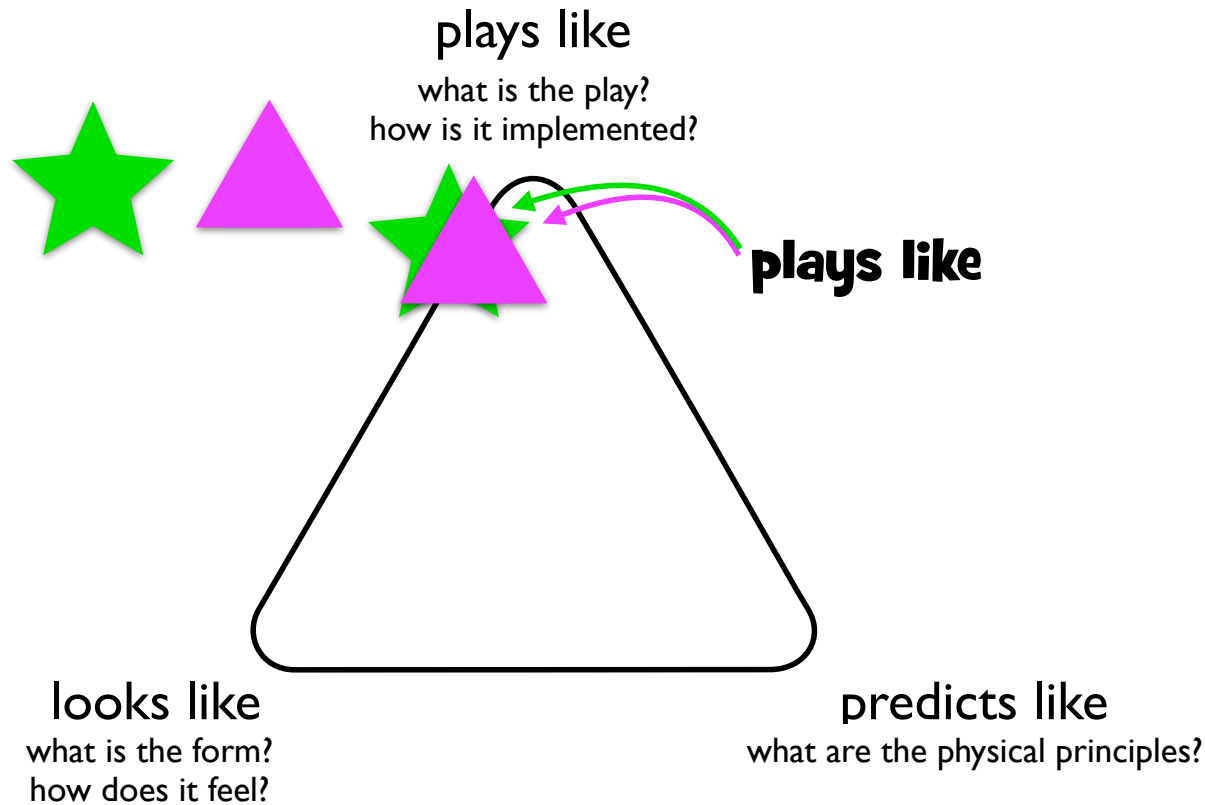


looks like
what is the form?
how does it feel?

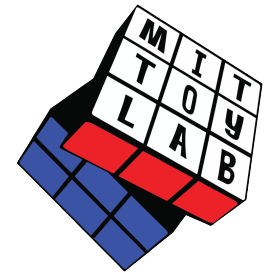
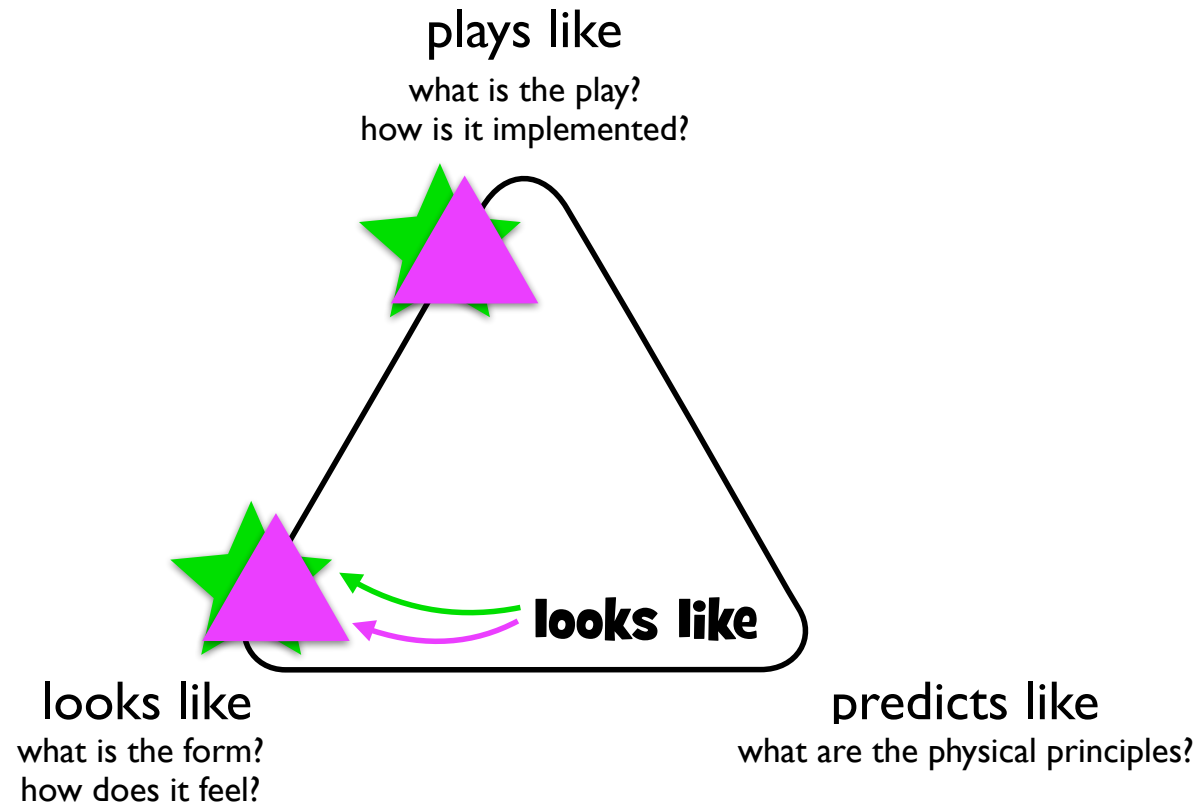
predicts like
what are the physical principles?



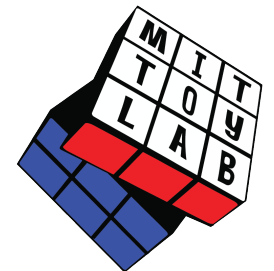
Dimensions of prototyping



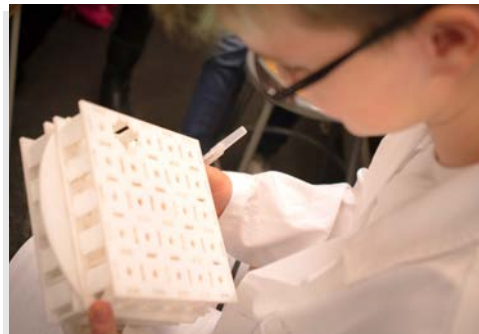
Dimensions of prototyping



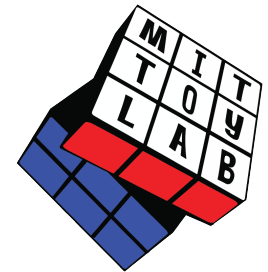
Example!



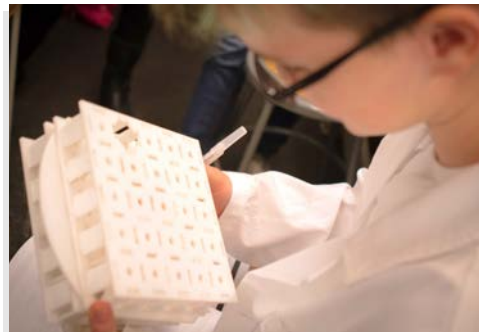
Example!



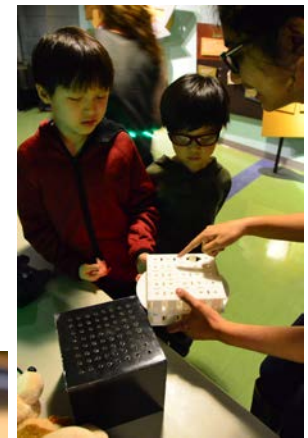
plays like
is the toy fun?



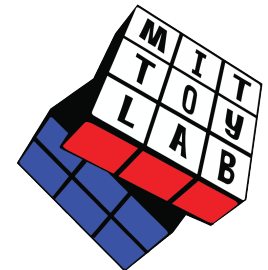
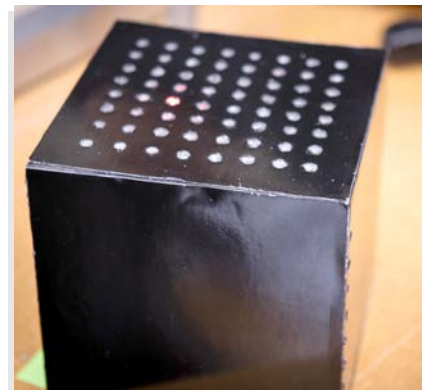
Example!



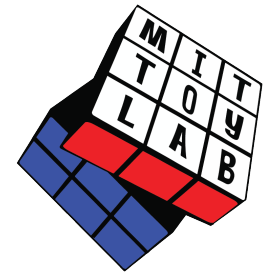
plays like
is the toy fun?

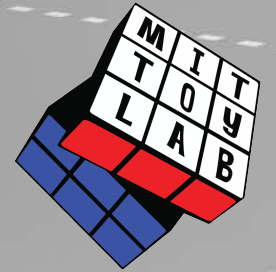
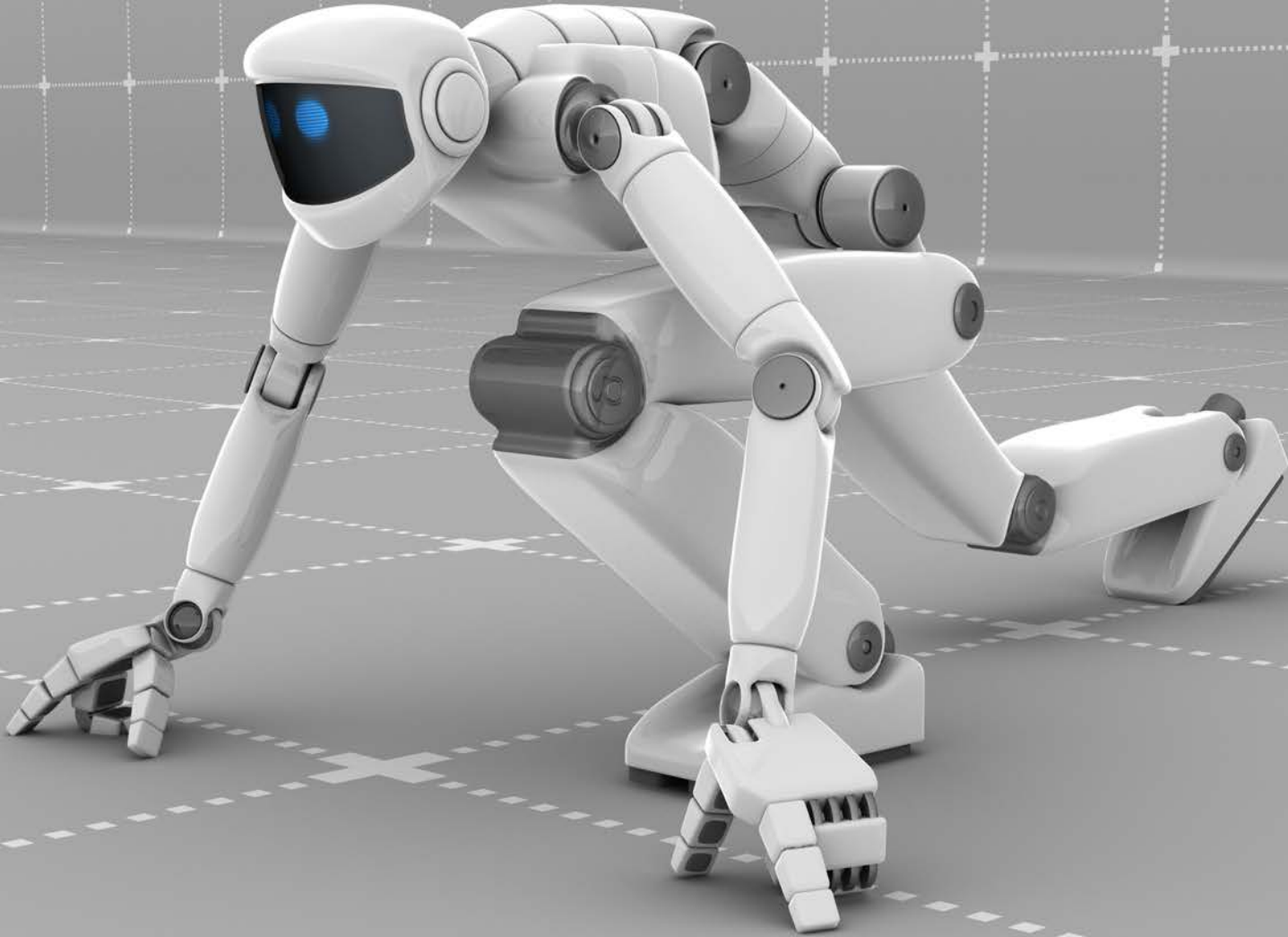


looks like
what's the size and
look of the toy?



Are you ready? ARE YOU READY?





It's time to sketch model!

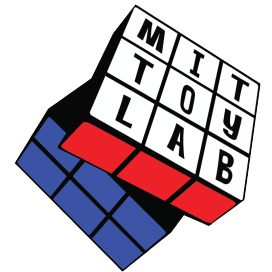
and play test!

In your teams, using what's on your table

Create a plays-like sketch model

Play test the sketch model

For a toy that...



TAPPAINT



LAVA
PET



It's time to sketch model!

and play test!

A game with two teams (**red** and **blue**) with at least 2 people per team. Decide how many!

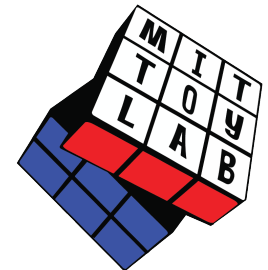
Each team wants to change the other team's colors into their own.

It is a one minute game. The winner of the game is the team with more of their color.



4:35

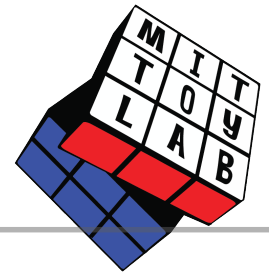
1. Discuss a plan
2. Sketch model the toy
3. Organize for play testing



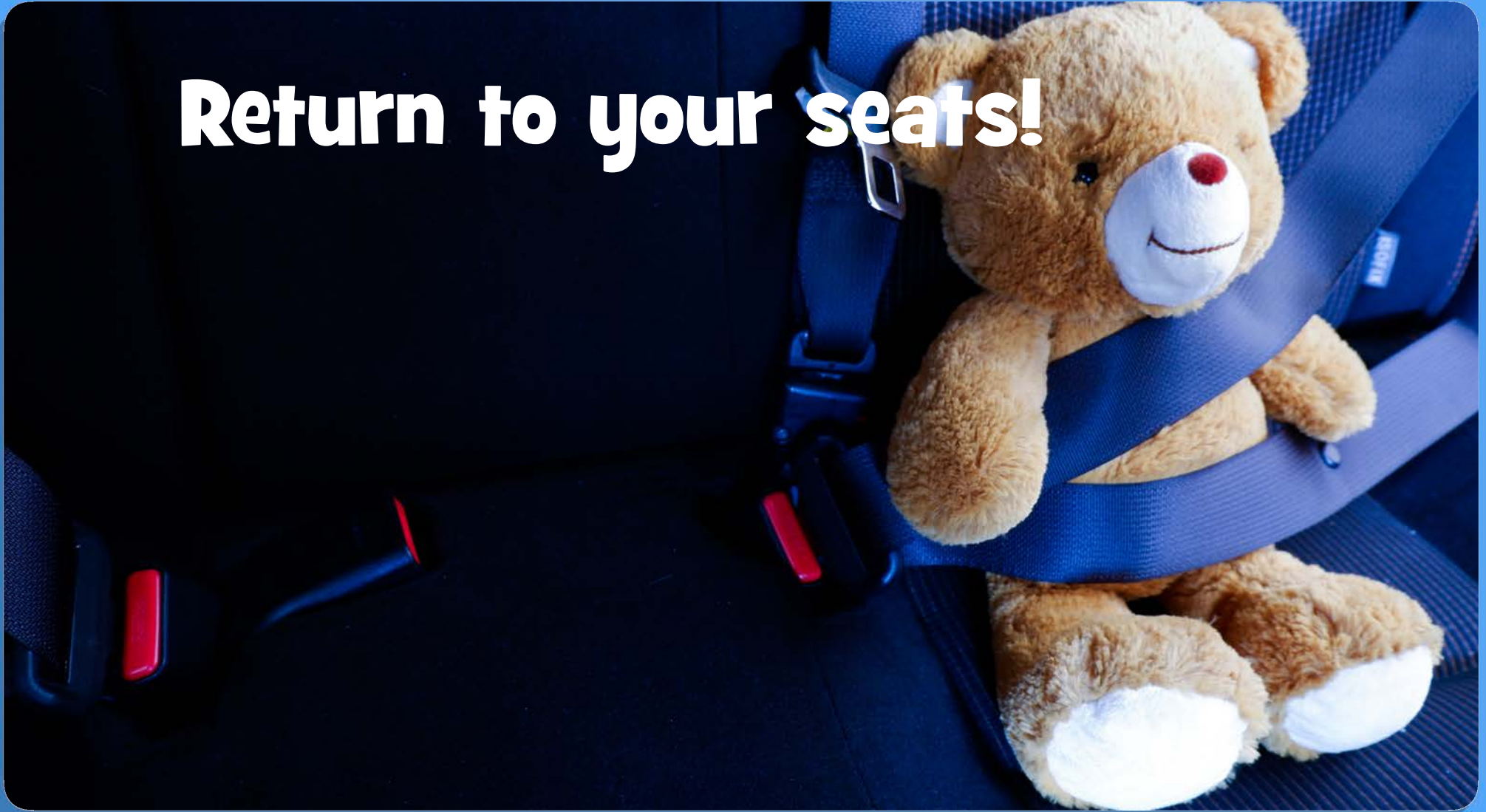
It's time to sketch model!

we are in here!

4:35

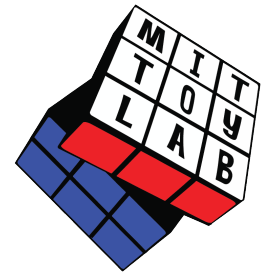


Return to your seats!



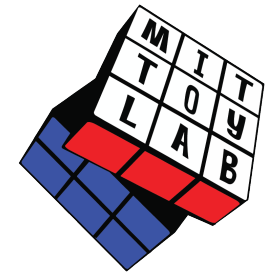
Now let's play!

4:50

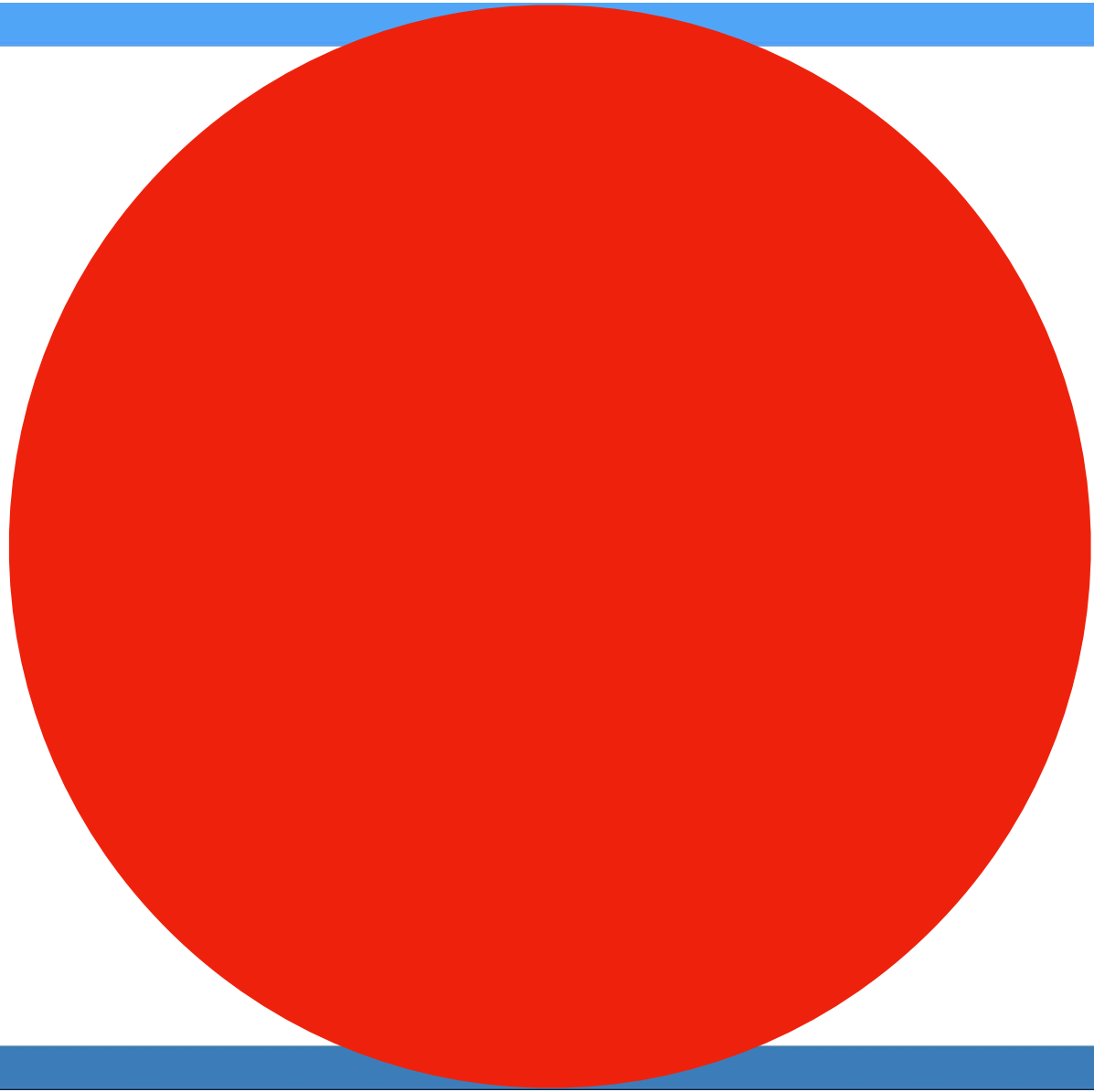


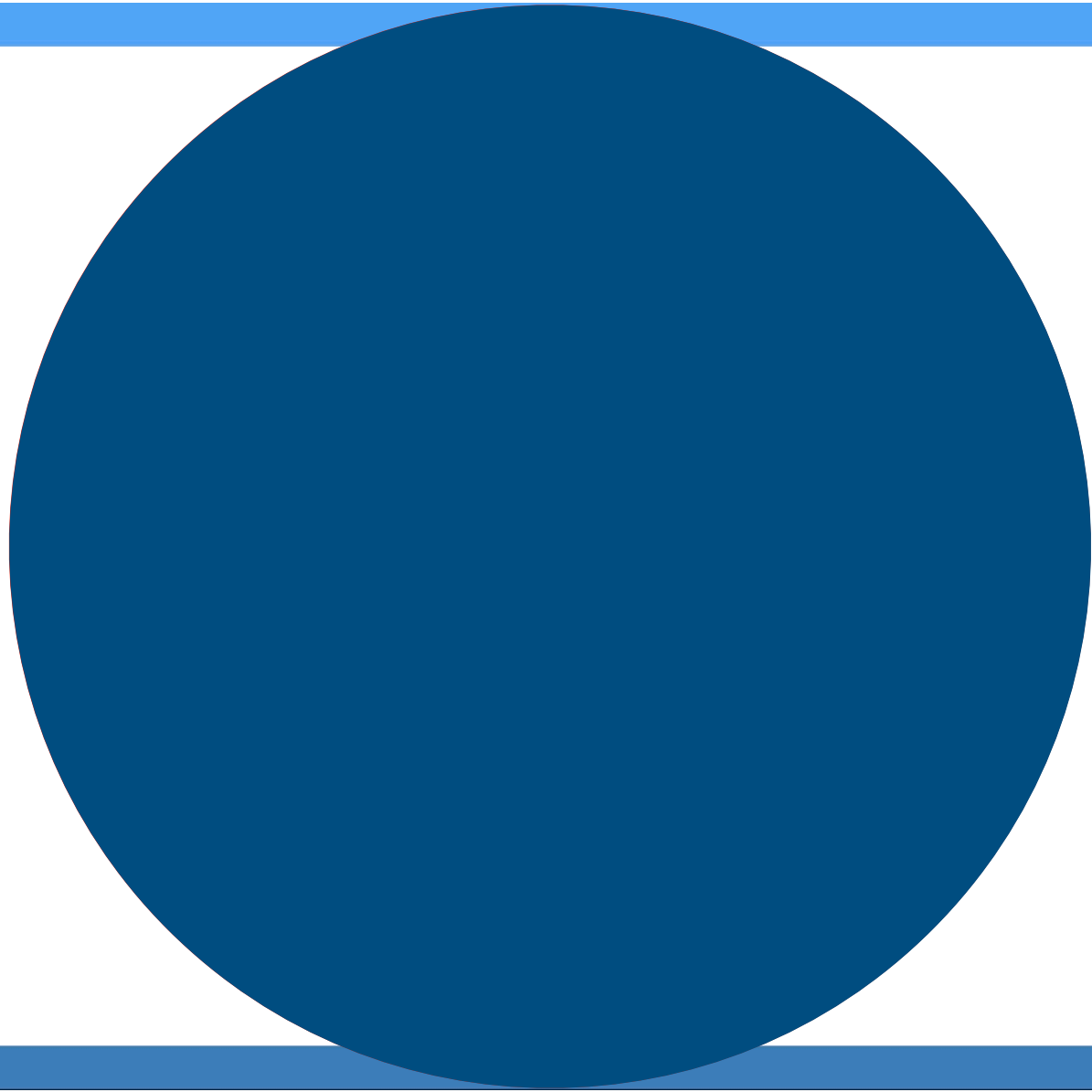
Playtesting

Dome-ination!

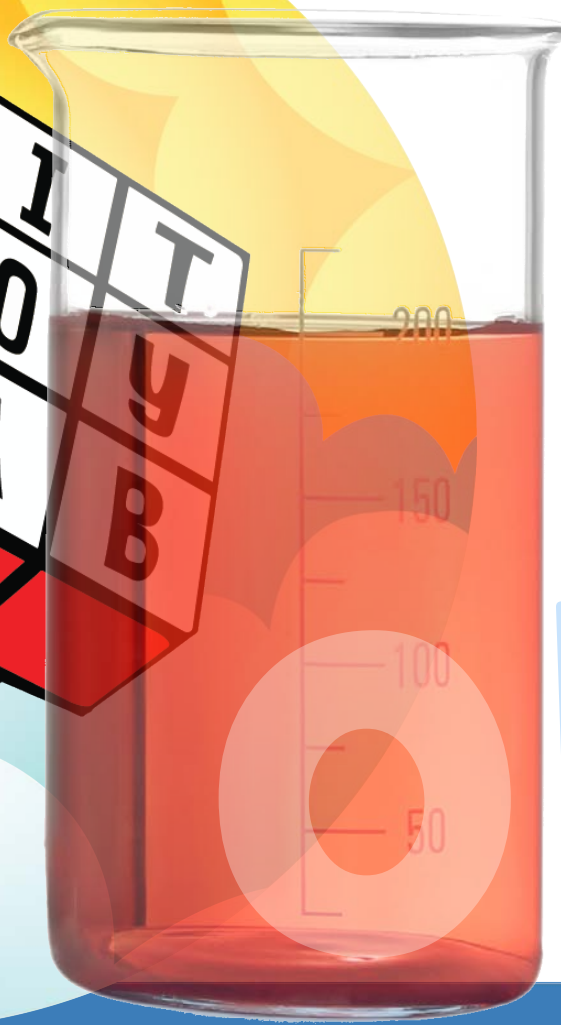
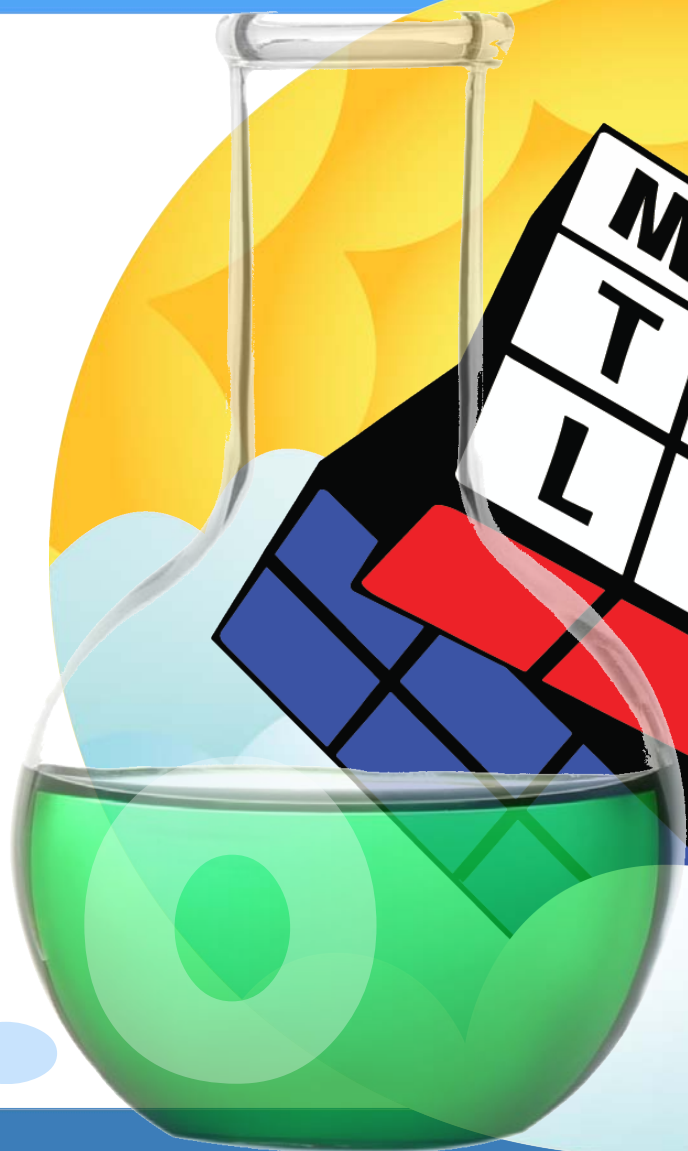








2.



b

Play is our favorite way

of learning



Diane Ackerman