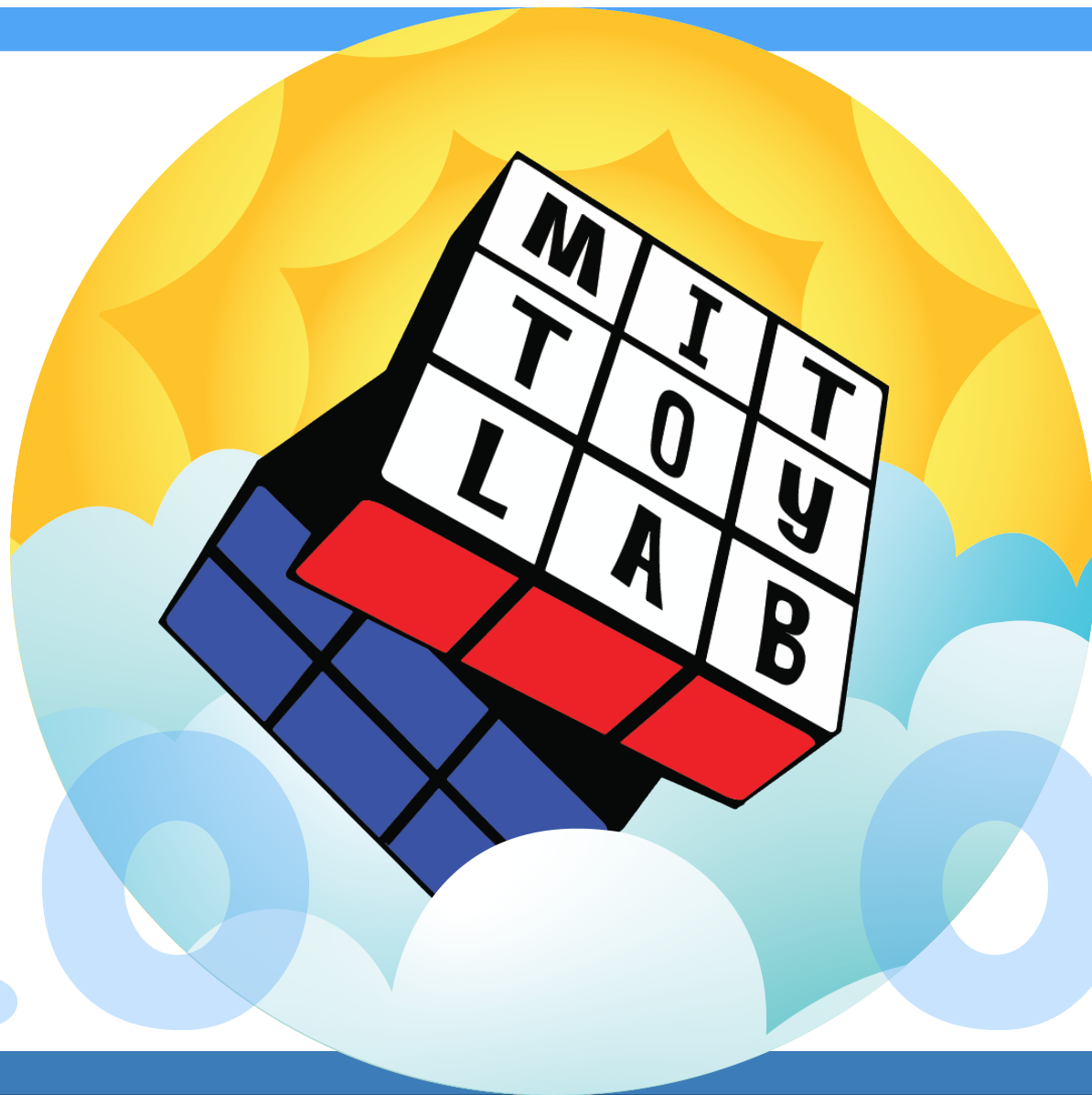


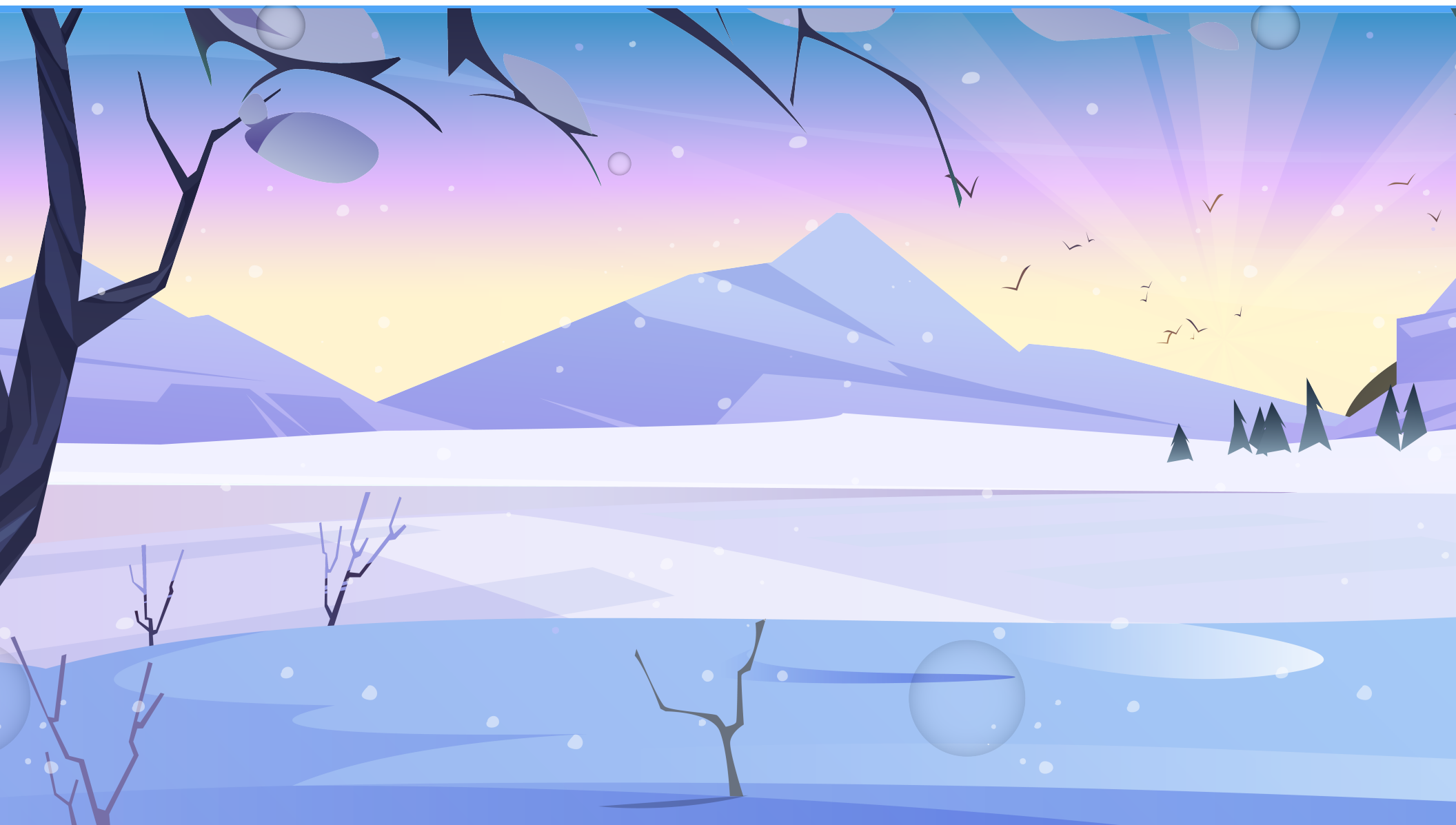


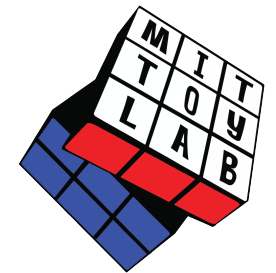
Muriel Rukeyser

OUR UNIVERSE IS MADE OF STORIES
NOT OF ATOMS

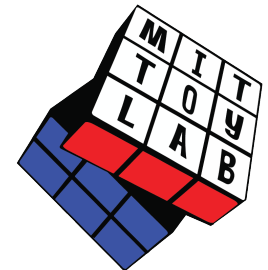


2.001

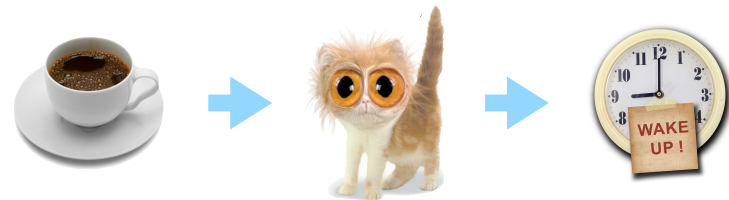




Association mapping

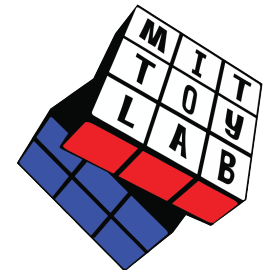
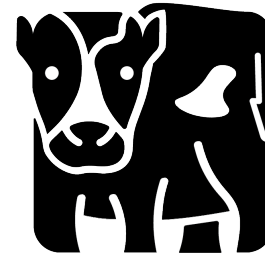


Cartoon captions!

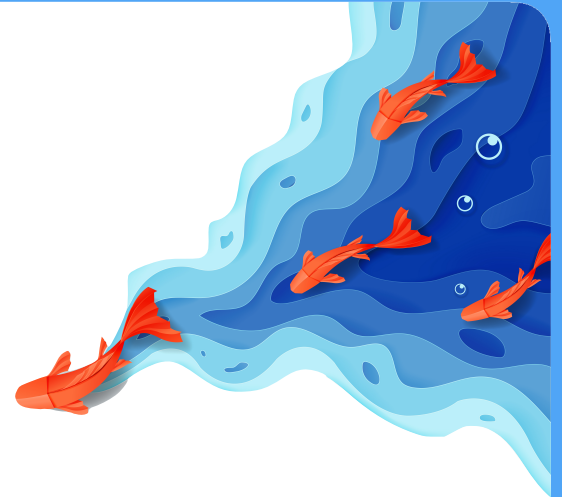


my brain cells having a meeting
before my 9 AM class

Amanda Miyares

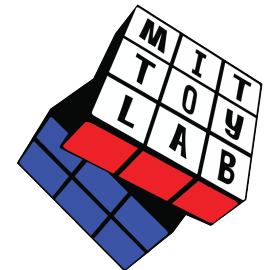
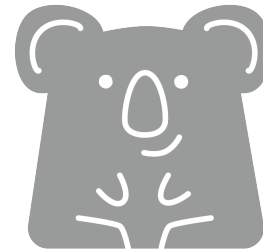


Cartoon captions!

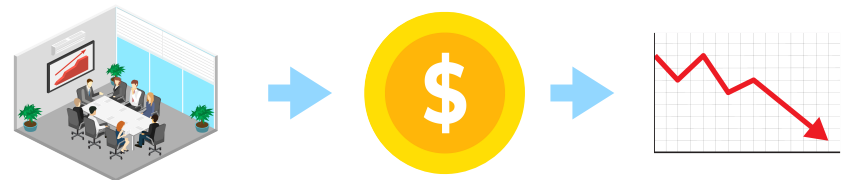


fishes in Boston on
December 16, 1773

Izar Vargas

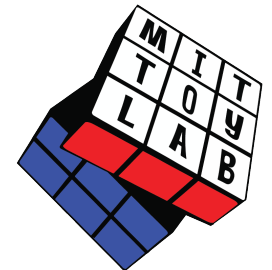


Cartoon captions!



corporate wants to assure you that
we are not, in fact, downsizing

Peyton Worthington



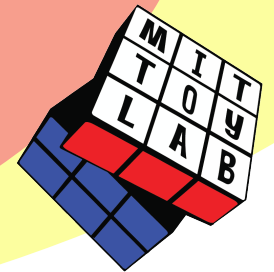


product variations
(bring it back to the original product!)

things associated
(*flight*: mosquito, bird, aircraft)

characteristic details
(*function*: flight, balance, tether, retrieve)

characteristics
(function, material, form, use location)

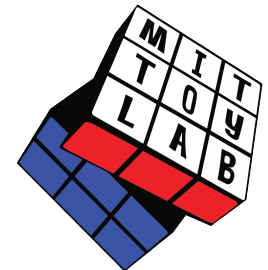


Crossing products

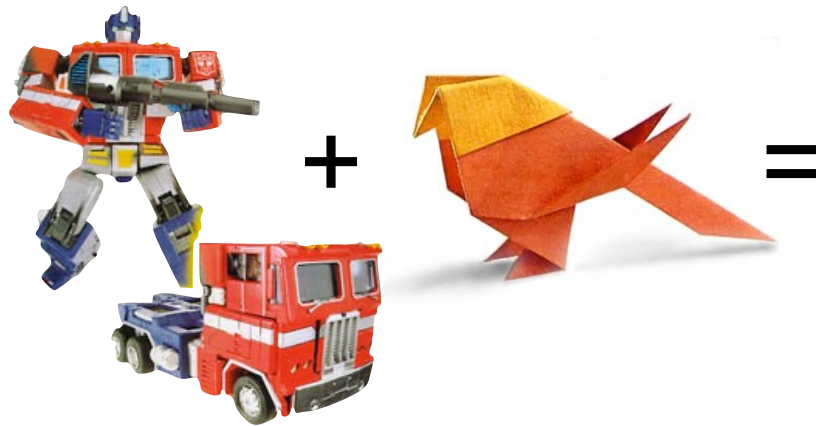
a **strategy** to generate innovative ideas.

$$\vec{a} \times \vec{b} = \begin{vmatrix} \vec{i} & \vec{j} & \vec{k} \\ a_1 & a_2 & a_3 \\ b_1 & b_2 & b_3 \end{vmatrix}$$

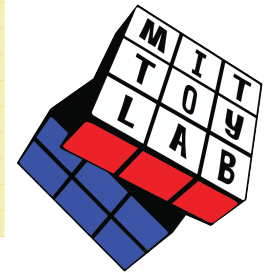
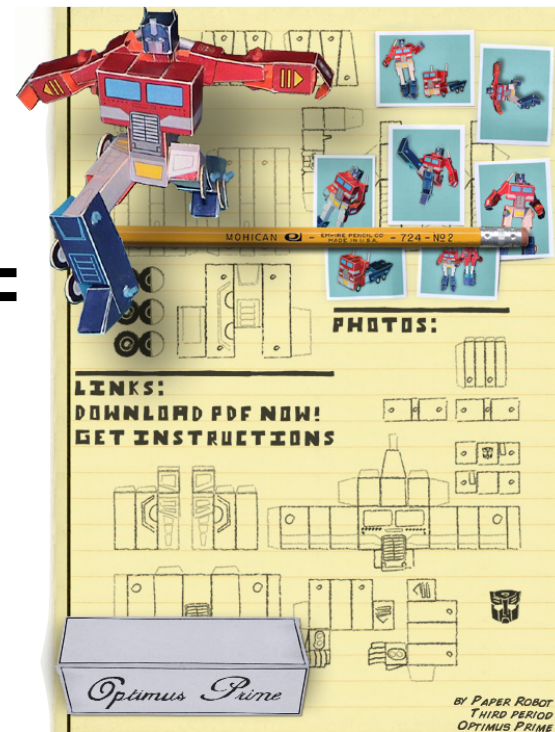
~~CROSSproducts~~
MIT CHRISTIAN A. APPELLA



Crossing products



=



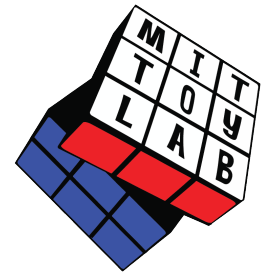
Crossing products



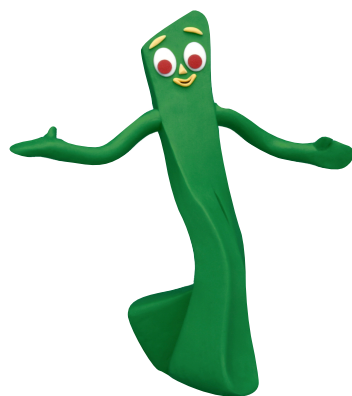
+



=



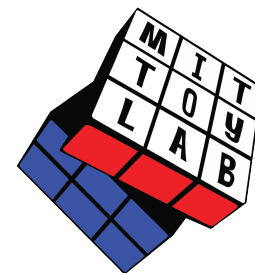
Crossing products



+



=



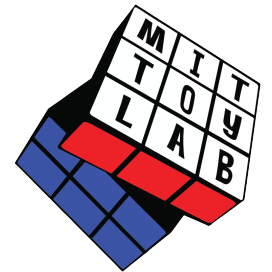
Crossing products



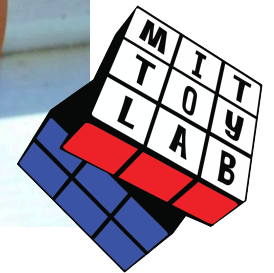
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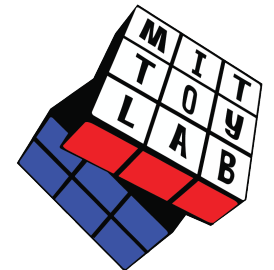
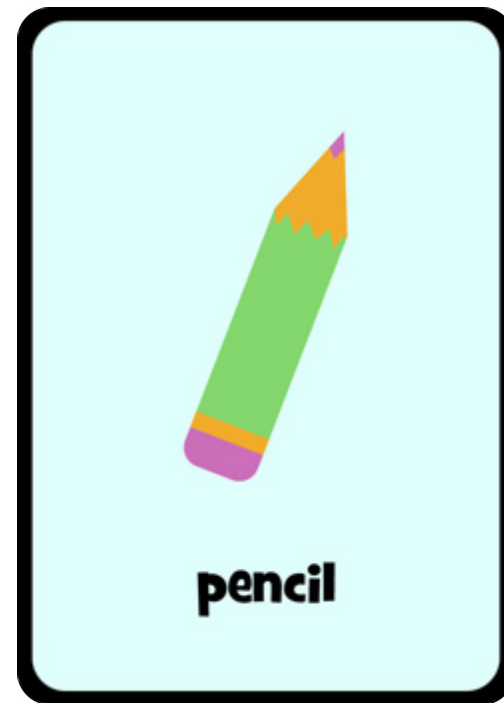


Cross products

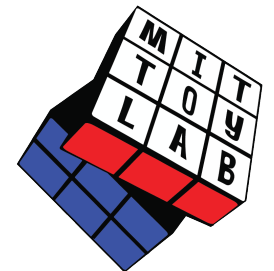
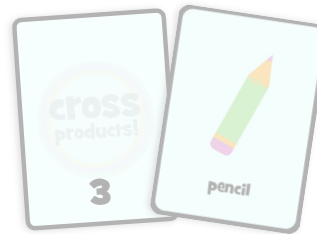
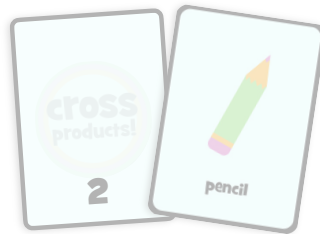
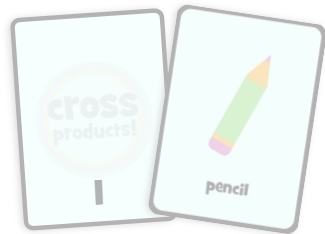


Cross products

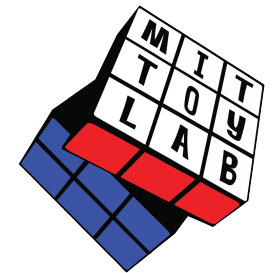
Write down the name of
three products



Cross your 3 products with a **pencil** to make a new **TOY**





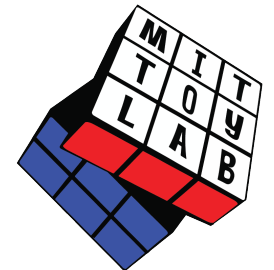


March

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



Lab Deliverable!



Bring top 3 new or updated ideas

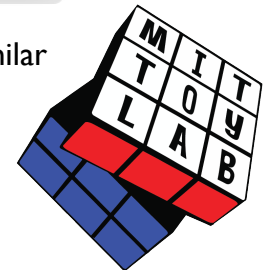
3 ideas developed and sketched in your notebook
3 refined, *shaded* sketches on 8.5 x 11" paper



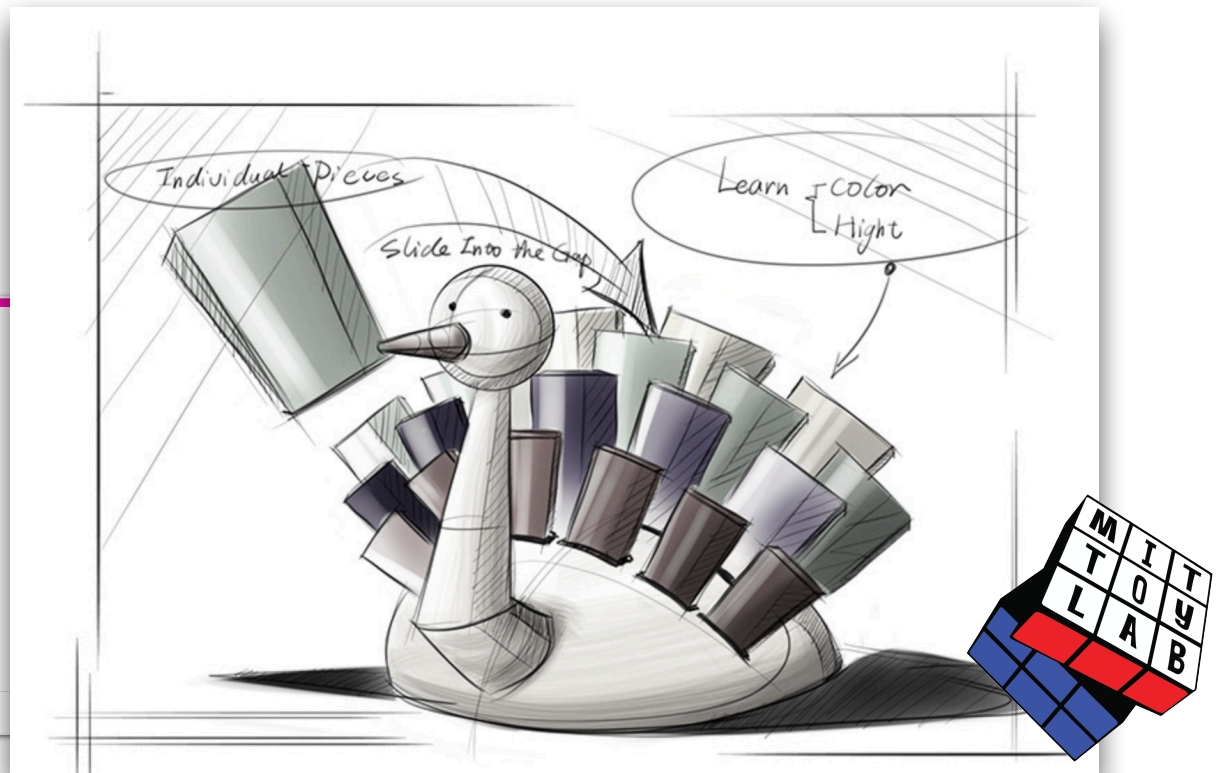
Reminder!

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!



Another portfolio piece!

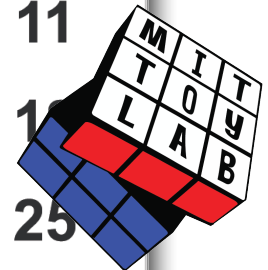


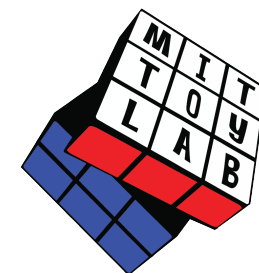
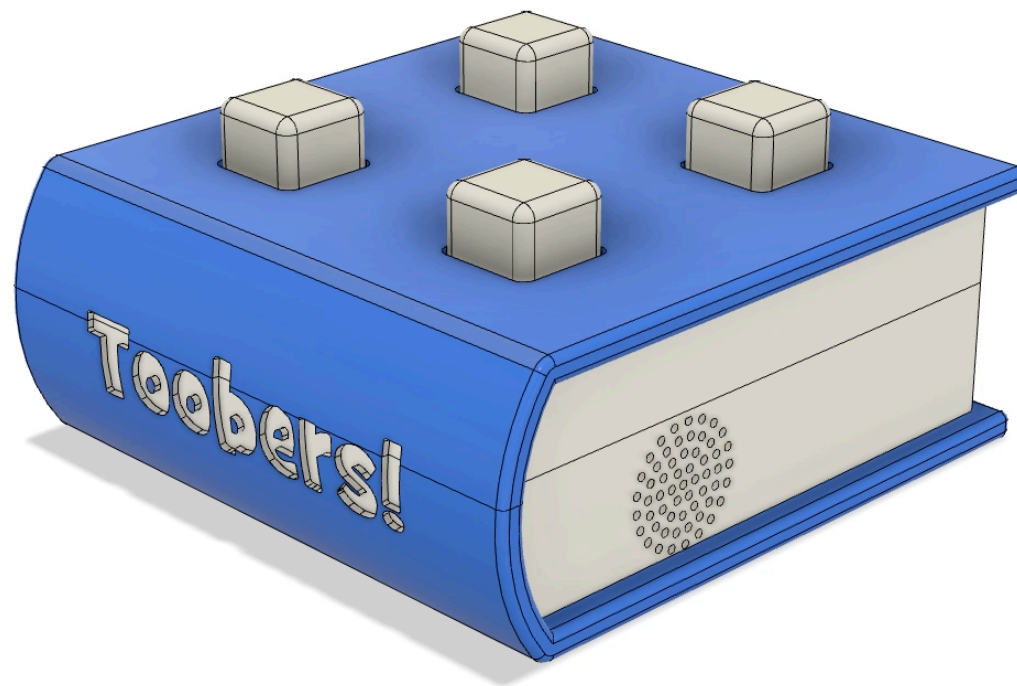
March

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	

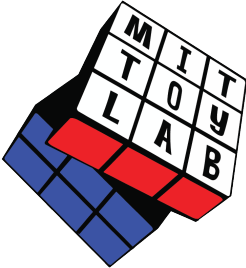




ry		
Th	Fr	Sa
2	3	4
9	10	11
16	17	18
23	24	25

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



March

Su Mo Tu We Th Fr Sa

Care Bears
Portfolios
Slideshows
Toy Museum



designy

Accessibility

Labs Week of Mar 6

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

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

Things to-do

by Sat, 3/4
12:00PM noon

Please submit your customized toober CAD. Please see the [instructions](#) for details and base model files. We print FIFO, so if you can send your file to us before the deadline, that is super helpful.

before lab 4

Please prepare your 3 ideas for pinup. See the [details](#).

by Fri, 3/10
11:59PM

Please [submit](#) one marker sketch for your portfolio.

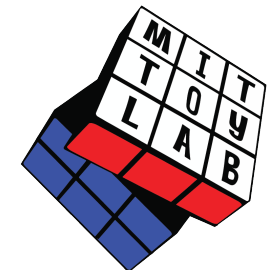
April

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						

Su Mo

	1
7	8
14	15
21	22
28	29



March

Su Mo Tu We Th Fr Sa

Care Bears
Portfolios
Slideshows
Toy Museum



designy

Accessibility

Labs Week of Mar 6

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by Sat, 3/4
12:00PM noon

Please submit your customized toober CAD. Please see the [instructions](#) for details and base model files. We print FIFO, so if you can send your file to us before the deadline, that is super helpful.

If you cannot complete your toober CAD by noon Saturday, please complete [this form](#) to let us know when you will have it completed by, with 3 PM Monday as the latest extension. This is so we can plan. Our constraint is that we need to keep the printer running 24/7 so that we can have all toobers ready for final assembly before spring break. Thanks.

before lab 4

Please prepare your 3 ideas for pinup. See the [details](#).

by Fri, 3/10
11:59PM

Please [submit](#) one marker sketch for your portfolio.

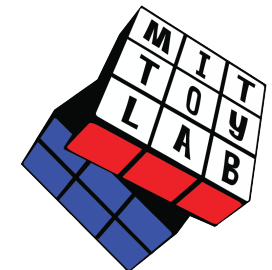
April

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						

Su Mo

	1
7	8
14	15
21	22
28	29



March

Su Mo Tu We Th Fr Sa

Your name *

Your answer

Pick-your-own extension

Please let us know by when you will turn in your Toober CAD customization. Giving yourself a deadline will help you to complete it. We encourage you to pick the least amount of extension that you really need.

I will turn in my Toober CAD customization by: *

- ☐ midnight, Saturday, Mar 4
- ☐ 3PM, Sunday, Mar 5
- ☐ midnight, Sunday, Mar 5
- ☐ 3PM, Monday, Mar 6
- ☐ None of the above

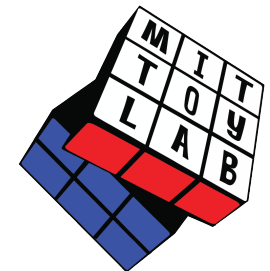
April

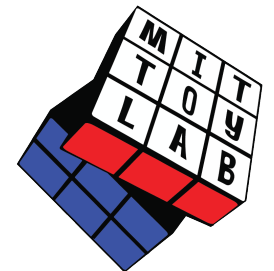
Su Mo Tu We Th Fr Sa

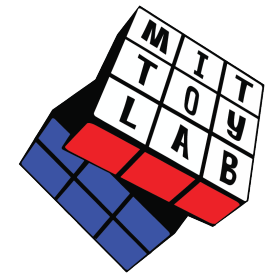
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Su Mo

	1
7	8
14	15
21	22
28	29









Toy Pitch Presentation

March 10
3 ideas per team

Design Review

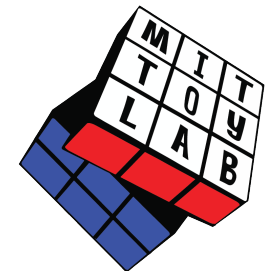
May 2-4
1 concept, 2 models

Sketch Model Presentation

April 16-17
2 concepts, 4 models

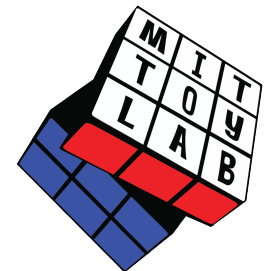
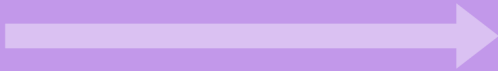
Final PLAYsentations

May 15
1 final prototype



Toy Pitch Presentation

March 10
3 ideas per team



**Toy Pitch
Presentation**

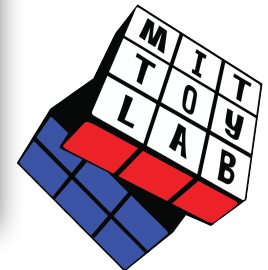
March 10
3 ideas per team

March

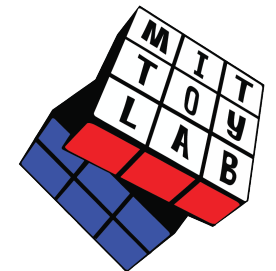
Su	Mo	Tu	We	Th	Fr	Sa
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

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				



Color DJ



Why now?

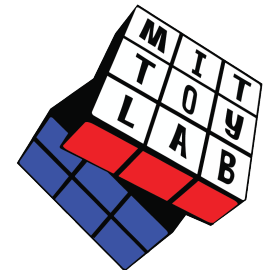
idea posters!

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

45 second pitch per idea

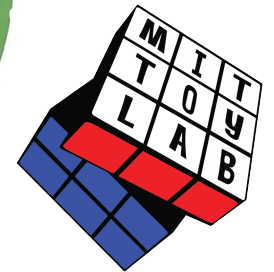
work on in lab next week

used in first play testing





FRANKENPITCH

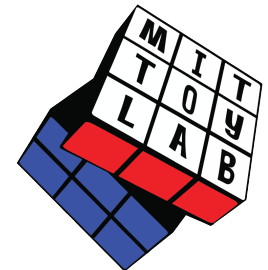




FRANKENPITCH

a 45 second idea pitch has a typical structure!

1. **Introduction:** captivating opening line (5s)
2. **Concept:** toy name, definition, user (10s)
3. **Play value:** core affordances, components, how to play (15s)
4. **Context:** where to play (5s)
5. **Differentiate:** core difference from existing similar toys or play (5s)
6. **Closing:** overarching play-value of toy (5s)



write a 45 second

FRANKENPITCH

1. **Introduction:** captivating opening line (5s)
2. **Concept:** toy name, definition, user (10s)
3. **Play value:** core affordances, components, how to play (15s)
4. **Context:** where to play (5s)
5. **Differentiate:** core difference from existing similar toys or play (5s)
6. **Closing:** overarching play-value of toy (5s)

for color DJ!



write a 45 second

FRANKENPITCH

1. **Introduction:** captivating opening line (5s)
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for color DJ!



write a 45 second

FRANKENPITCH

1. **Introduction:** captivating opening line (5s)

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6. **Closing:** overarching play-value of toy (5s)

1. **Introduction** (5s)

2. **Concept** (10s)



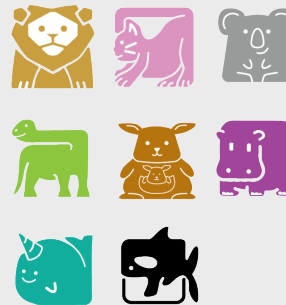
3. **Play value** (15s)

4. **Context** (5s)



5. **Differentiate** (5s)

6. **Closing:** (5s)



for color DJ!



and now!

FRANKENPITCH



1. Introduction: (5s)



2. Concept: (10s)



3. Play value: (15s)



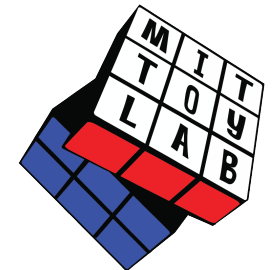
4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



and now!

FRANKENPITCH



1. Introduction: (5s)



2. Concept: (10s)



3. Play value: (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



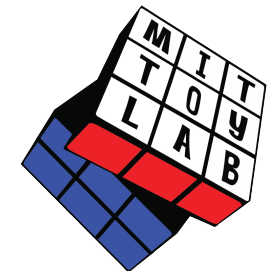
4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



and now!

FRANKENPITCH



1. Introduction: (5s)



2. Concept: (10s)



3. Play value: (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



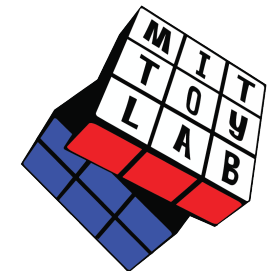
4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



and now!

FRANKENPITCH



1. Introduction: (5s)



2. Concept: (10s)



3. Play value: (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



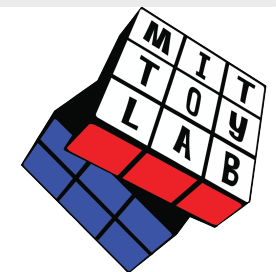
4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



and now!

FRANKENPITCH



1. Introduction: (5s)



2. Concept: (10s)



3. Play value: (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



4. Context: (5s)



5. Differentiate: (5s)



6. Closing: (5s)



1. Introduction: (5s)



2. Concept: (10s)



3. Play value : (15s)



4. Context: (5s)



5. Differentiate: (5s)



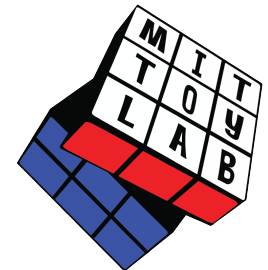
6. Closing: (5s)

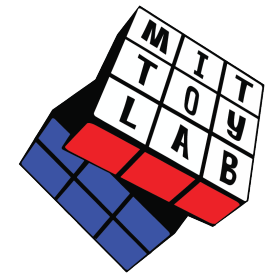


FRANKENPITCH

a 45 second idea pitch has a typical structure!

1. **Introduction:** captivating opening line (5s)
2. **Concept:** toy name, definition, user (10s)
3. **Play value:** core affordances, components, how to play (15s)
4. **Context:** where to play (5s)
5. **Differentiate:** core difference from existing similar toys or play (5s)
6. **Closing:** overarching play-value of toy (5s)





What is Graphic design?

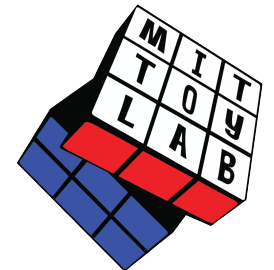
Communication with (2D) visual information



for funsies...

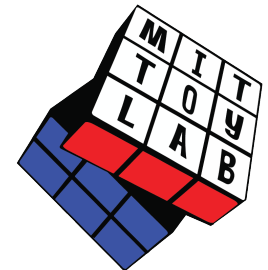
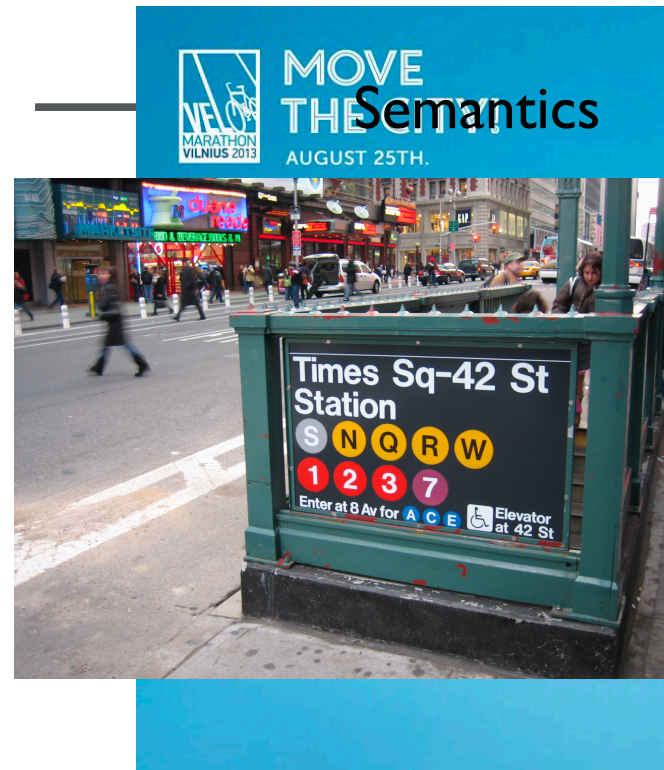


and for serious.



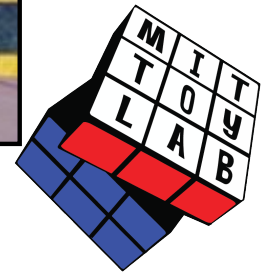
What is good Graphic design?

- 1) Conveys the **right meaning**
- 2) Has **visual coherency**
- 3) Is **readable** under use conditions (unless the goal is confusion)

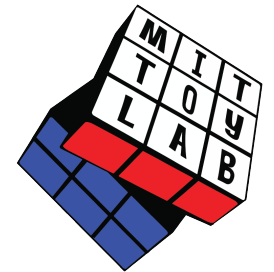


Semantics

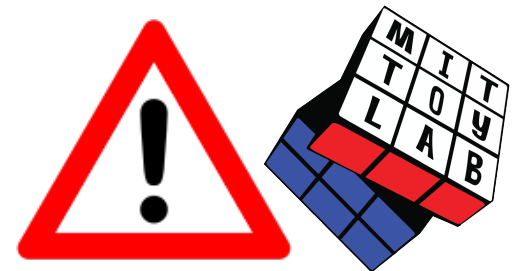
Getting the message right!



Semantics

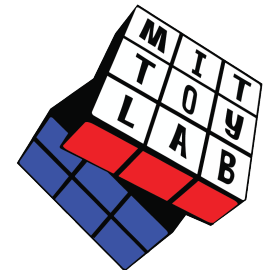


Semantics



Semantics

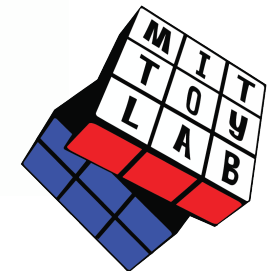
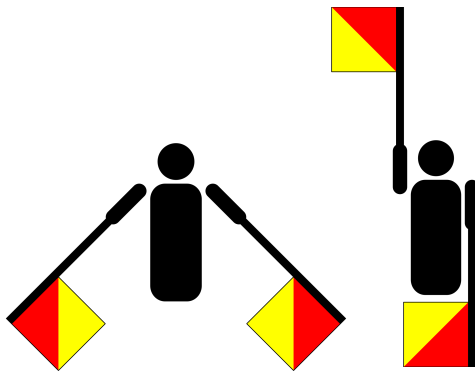
Culture and age dependent



Semantics

Culture and age dependent

Learned

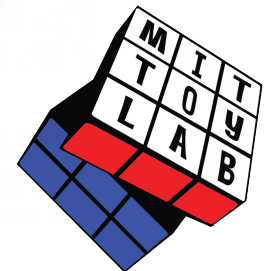


Semantics

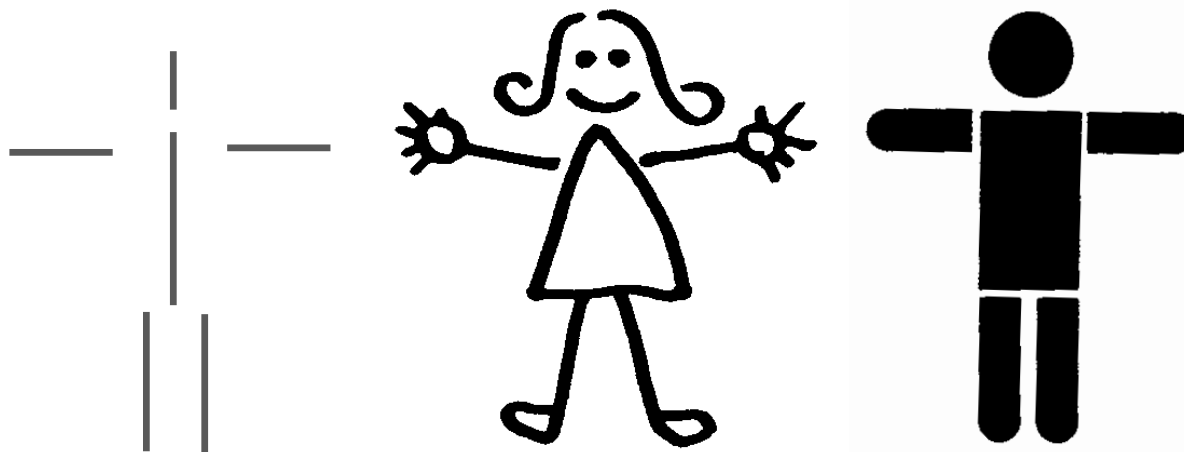
Culture and age dependent

Learned

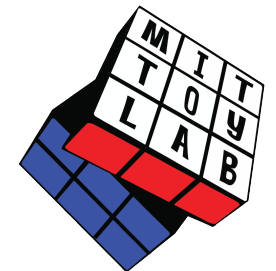
or Intuitive



Semantics



shapes have feeling and meaning!



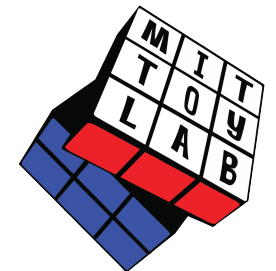
Semantics

has appropriate feeling



old (1968)

modern (2015)



Good graphic design

1) Conveys the
right meaning



Semantics

2) Has **visual coherency**

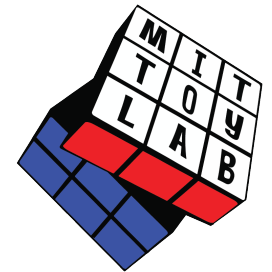


Syntax

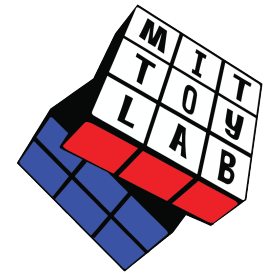
3) Is **readable** under use
conditions (unless the goal
is confusion)



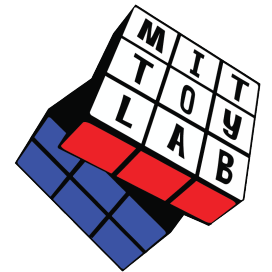
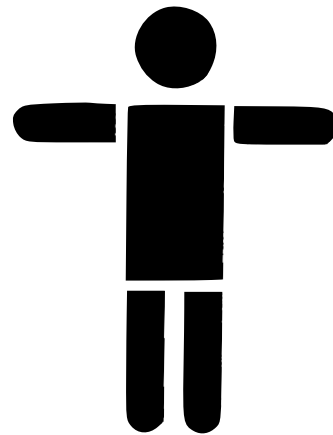
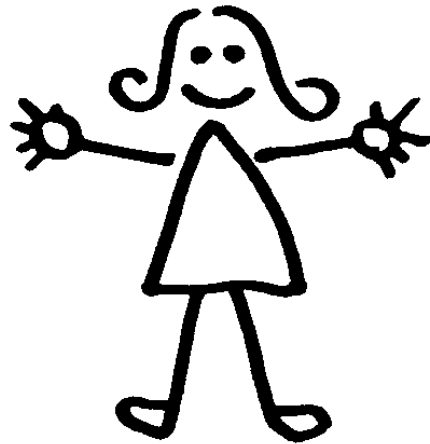
Usability



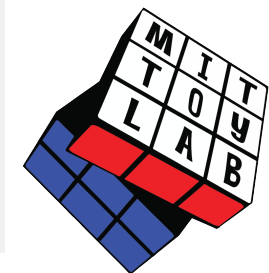
Syntax



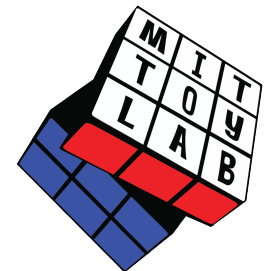
Syntax



	Tokyo 1964	Mexico City 1968	Munich 1972	Montreal 1976	Moscow 1980	Los Angeles 1984	Seoul 1988	Barcelona 1992	Atlanta 1996	Sydney 2000	Athens 2004	Beijing 2008	London 2014	Rio 2016
Basketball														
Boxing														
Fencing														
Gymnastics														
Road cycling														
Rowing														
Sailing														
Soccer														
Swimming														
Weightlifting														



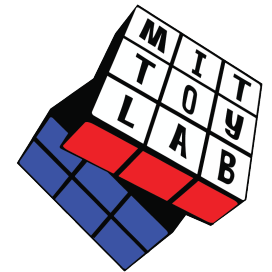
Syntax





Good graphic design

- | | | |
|---|---|-----------|
| 1) Conveys the right meaning | → | Semantics |
| 2) Has visual coherency | → | Syntax |
| 3) Is readable under use conditions (unless the goal is confusion) | → | Usability |



Good graphic design

1) Conveys the
right meaning



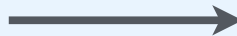
Semantics

2) Has **visual coherency**

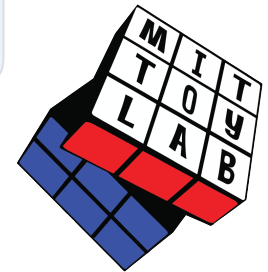


Syntax

3) Is **readable** under use
conditions (unless the goal
is confusion)



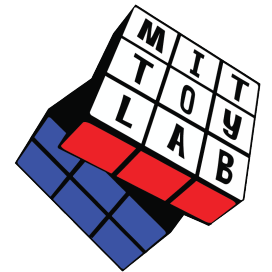
Usability





Usability

Readability

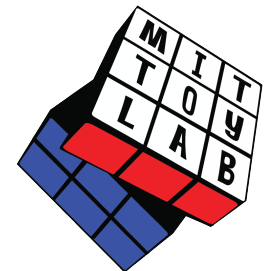


Usability

Clarity



*you don't
matter. worry.*



Good graphic design

Semantics

Message



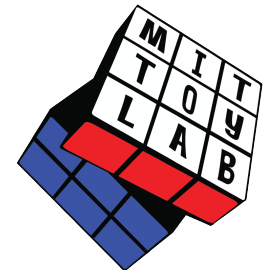
Syntax

Coherence



Usability

Clarity



Good graphic design

Semantics

Message



Syntax

Coherence



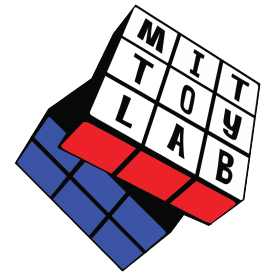
Usability

Clarity



Design a sign for
“timeless”

Use the 8.5 x 11”
cardstock



Good graphic design

Semantics

Message



Syntax

Coherence



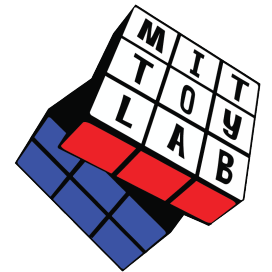
Usability

Clarity

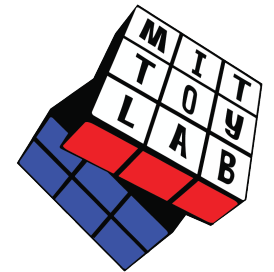


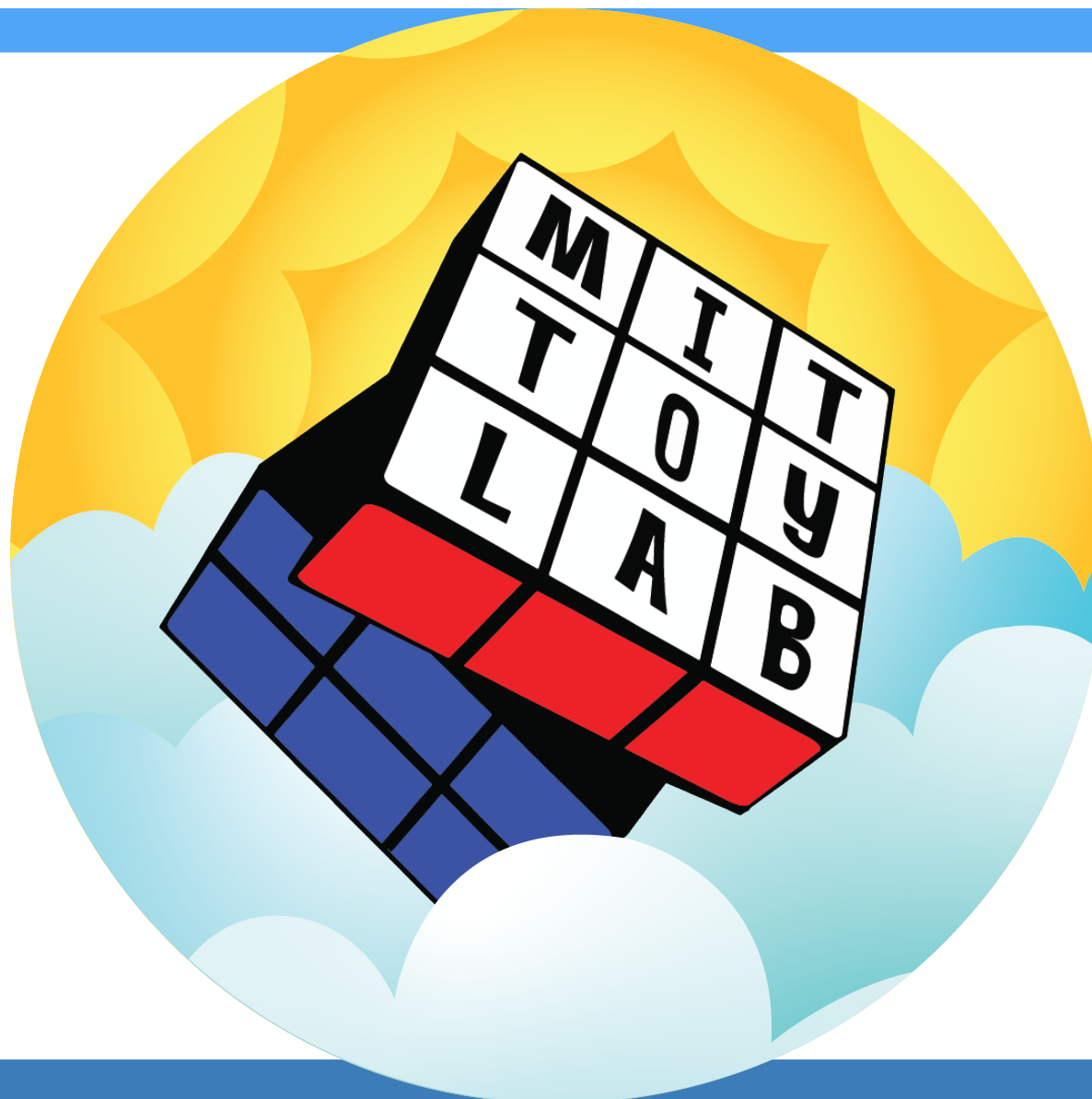
Design a sign for
“timeless”

Use the 8.5 x 11”
cardstock



timeless







2.0

0

0

b



Muriel Rukeyser

OUR UNIVERSE IS MADE OF STORIES
NOT OF ATOMS