The Tech

Established 1881

Thursday, October 6, 2022

MIT Museum opens to public after move to Kendall Square

Davis: The museum is meant to 'turn MIT inside out' and make what goes on here accessible to the world

By Eunice Zhang

The MIT Museum officially reopened to the public Monday, Oct. 2. The museum is housed at 314 Main Street in Kendall Square, near the MBTA Kendall/MIT Red Line station and across from the MIT Welcome Center.

The museum was previously located in Central Square; relocation preparation began in 2016, when the Cambridge Planning Board approved MIT to construct new buildings in Kendall Square.
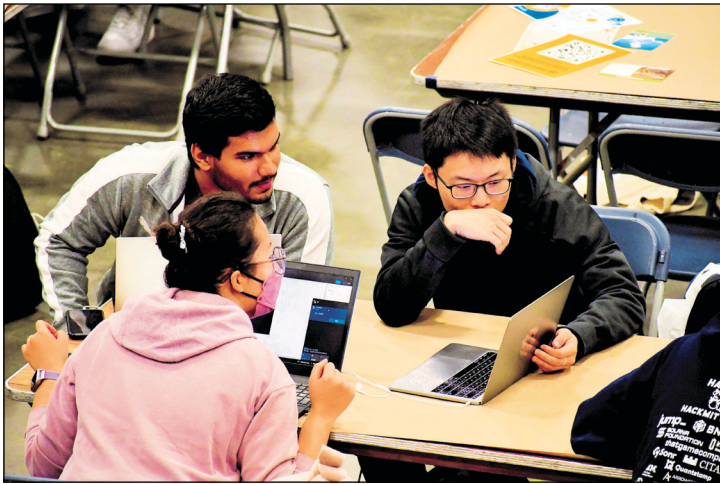
MIT Museum Communications Officer Martha Davis wrote in an email to *The Tech* that MIT "had plans to develop a new gateway to campus in Kendall Square" and it made sense to place the museum, as "a public facing venue," in this location to "to make MIT accessible to visitors from around the world."

Originally scheduled to open April 2022, "supply chain and labor shortages" caused the reopening date to be pushed to October.

Davis remarked that the most exciting part of the museum is

MICHELLE XIANG—THE TECH
A team of hackers working together to fix an issue with their project during HackMIT, Sunday.

MAXWELL YUN—THE TECH
Members of the MIT Outing Club hike up Mt. Cannon in New Hampshire to some incredible views, Sunday.

LINDSAY REYES—THE TECH
The ASE with the highest pass rate was 7.01x whereas 5.111 had the lowest pass rate.

Select ASEs are held in person for the first time in three years

The math diagnostic is no longer restrictive, and only provides advice about which level of 8.01 to enroll in

By Mason Fang

Advanced Standing Exams (ASEs) were offered both in person and online this year, with the online exams taking place prior to orientation and the in-person exams taking place on Registration Day, Sept. 6.

Associate Dean and Director for First Year Advising and Programming Elizabeth Young provided information about the exams in an email to *The Tech*.

156 students took the 5.111 (Principles of Chemical Science) ASE online, of whom 50 (32%) passed. The Chemistry Department did not provide information about the 5.12 (Organic Chemistry I) exam, held in-person.

6.0001 (Introduction to Computer Science and Programming in Python) was offered online like last year, but Young did not provide information about results for the exam.

The 7.01x (Introductory Biology) ASE was offered remotely this year: 252 students took the test, with 195 (77%) passing.

Like last year, the Physics Department offered ASEs for 8.01 (Physics I), 8.02 (Physics II), 8.03 (Physics III), and 8.04 (Quantum Physics I). The 8.01 and 8.02 exams were administered online via Zoom and 8.03 and 8.04 were administered in person on Registration Day.

Of the 179 students that took 8.01, 33% passed. 172 students took the 8.02 exam and 66% passed. For the in-person exams, 17 students took the 8.03 exam, of whom 70% passed, and 10 students took the 8.04 exam, of whom 90% passed.

In addition, the physics department offered the math diagnostic assessment (MDX) for all freshmen without prior credit for 8.01. For the 745 first years that took the assessment, the results provided advice about which level of 8.01 to enroll in. Unlike previous years, the MDX only served as a reference for the students and their advisors, not as a strict restriction.

The math department offered ASEs for 18.01 (Single Variable Calculus), 18.02 (Multivariable Calculus), 18.03 (Differential Equations), and 18.06 (Linear Algebra). 18.01 and 18.02 were offered online prior to orientation, and 18.03 and 18.06 were offered in-person.

As in previous years, there were two parts to the 18.01 ASE: students who passed the first part entered into 18.01A while those who passed both parts earned credit for 18.01. Of the 150 first years who took the exam, 47 (31%) passed only part one and 62 (41%) passed both parts.

178 (73%) of the 244 students who took 18.02 passed; 42 (84%) of the 50 students who took 18.03 passed; and 25 (81%) of the 31 students who took 18.06 passed.

ASEs will also be offered during the December finals period, IAP, and the May finals period.

MIT Police release Security and Fire Safety Report with '19-'21 statistics

Reports of burglary, rape, and VAWA offenses drop from 52 in 2019 to 18 in 2020, and rise to 29 in 2021

By Eva Ge

The MIT Police Department released its Annual Security and Fire Safety Report Oct. 1. The report includes information about crime prevention, fire safety, and security awareness; security policies; resources for victims of violent crimes; and statistics about fires and crimes in and around MIT's campus. The 2022 report contains statistics from 2019–2021, reported to the MIT Police by other campus security authorities and local police agencies.

The total number of criminal offenses reported on campus, in non campus locations and in public decreased from 52 in 2019 to 18 in 2020 and increased to 29 in 2021. Contributing to these changes were a decrease in reports of burglary, from 23 in 2019 to 5 in 2020 and 3 in 2021; a decrease in reports of rape, from 13 in 2019 to 4 in 2021; and an increase in reports of fondling, from 5 in 2019 to 14 in 2021.

Reports of Violence Against Women Act (VAWA) offenses, including domestic violence, dating violence, and stalking, decreased from 34 in 2019 to 10 in 2020 and 2021. Reports of domestic violence decreased from 17 in 2019 to 3 in 2021; there were no reports of dating violence in 2020 and 2021. The majority of VAWA offenses were reported to have occurred in residence halls.

From 2019 to 2021, there were three reports of arrests: all of them were drug abuse violations that

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IN SHORT

Add Date is Oct. 7.

Indigenous Peoples' Day is Oct. 10 and Oct. 11 is a student holiday. No classes will take place on both days.

All students are required to **receive** **flu vaccines before Nov. 18** in order to access buildings and register for Spring 2023 and IAP.

Interested in **joining** *The Tech*? Email *join@tech.mit.edu*.

Send news and tips to *news@tech.mit.edu*

WEATHER

Sunny four day break

By Adrienne Lai

You know how you're debating dropping that class after your first midterm? That indecisiveness is exactly what Thursday's clouds are feeling: morning fog, a clear afternoon, and then clouds by night. Friday's precipitation is in the same boat: 20% chance of rain. Ask your 18.600 friends for a more robust picture of what that probability means.

If the rain and clouds are fogging your judgment, not to worry as the weekend is full of sun! Enjoy the sunny four day weekend, the closest thing we're getting to a break this semester, which coincidentally coincides with when Fall is taking a break: prepare for the Winter level cold temperatures of ~45-55°F. (7-14°C). Don't blame Fall too much: we all need a break!
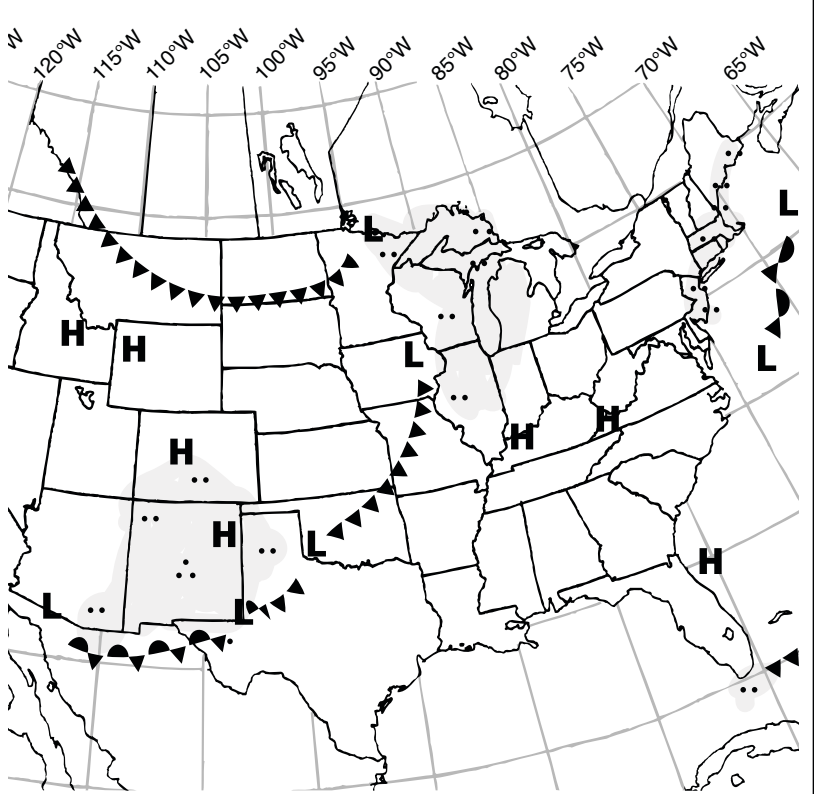
Extended Forecast

Today: Mostly cloudy, but with a sunny afternoon. Northwest winds around 5-7 mph and igh around 71°F (21.5°C).

Tonight: Clouds with a low low around 57°F (14°C). Southwest winds around 7 mph.

Tomorrow: Mostly sunny with a 20% chance of rain. Southwest winds ~6-12 mph. High of 71°F (21.5°C) and a low of 45°F (7°C)

Saturday: Mostly clear and sunny with a high of 56°F (13°C) and a low of 44*F (6.5°C). West winds ~8-10 mph.

Sunday: Clear skies and sunny with west winds ~7-10 mph. High of 60°F (15.5°C).

Situation for Noon Eastern Time, Thursday, October 6, 2022

Weather Systems	Weather Fronts	Precipitation Symbols			Other Symbols
			Snow	Rain	
H High Pressure	– – – Trough	Showers	❋	▽	☰ Fog
	●●● Warm Front	Light	❋	•	℞ Thunderstorm
L Low Pressure	▲▲▲ Cold Front	Moderate	❋❋	••	∞ Haze
⚲ Hurricane	▲ ▲ Stationary Front	Heavy	❋❋❋	••	Compiled by MIT Meteorology Staff and *The Tech*

Exhibits include 'AI: Mind the Gap' and 'Tracing Threads'

that it has been "completely reimagined" to be a "fresh experience" for visitors.

The museum features several new exhibits, including the following:

AI: Mind the Gap is an interactive exhibit that seeks to shine "light on the tremendous promise, unforeseen impacts, and everyday misconceptions of AI," according to the MIT Museum website.

Within the exhibit, visitors can listen to audio recordings of current scientists' and researchers' thoughts on the future and implications of AI; they can also attempt to detect deep fakes in videos.

Tracing Threads is an exhibit created by the MIT Senseable City and Future Heritage Labs,

and considers "the shifting movement of people and goods in an increasingly globalized world."

The exhibit includes a physical scrollable map of the history of textile production and artwork created by the modification of T-shirts, a ubiquitous staple of American clothing.

A Counting: Boston Cambridge is a "participatory multimedia artwork by Ekene Ijeoma and Poetic Justice Group" featuring a "software-generated livestream" made of an "evolving never-ending count from 1 to 100."

Boston-Cambridge is the sixth city to host this ongoing series; previous cities include Houston and New York. Residents of the area can participate by dialing 857-663-0688 and counting up to 100 in their language of choice.

Davis wrote that the museum is highly adaptable to the visitor's preferences due to the variety of hands-on experiences, talks and programs, and a "thread throughout the museum that explores the intersection of technology and art."

One example of a hands-on experience that visitors can participate in at the museum is ongoing research: according to Davis, "visitors [at the AI: Mind The Gap Exhibit] can interact with a robot and teach it, while researchers tracking this interaction gain insight on how the robot is learning and how to refine its skills to become a more effective teammate."

Davis summarized the experience of visiting the new museum in three words: "accessible," "engaging," and "surprising." They explained that "we've said all along that the museum is meant to 'turn MIT inside out' and make

what goes on here accessible to the world."

Prior to the official opening date, the museum hosted MIT Community Day on Sept. 23 to invite "students, faculty, and staff for a special preview of the museum," the website reported. Davis wrote that 1,107 people attended MIT Community Day.

The museum also hosted Cambridge Residents Day on Sunday, Oct. 3. The residents day featured drop-in activities, collection workshop programs, and gallery tours. Cambridge residents may also register for a membership that will allow them free admission to the museum.

The museum is open 10 a.m.–5 p.m. every day, excluding holidays. Davis extended an open invitation to visitors: "We're so incredibly excited to welcome visitors back! Please come visit."

One hate crime and one fire were reported, both in 2020

took place in 2020. There were four disciplinary referrals for drug abuse violations in 2019, two

in 2020, and none in 2021. Disciplinary referrals for liquor law violations were more frequent, at 57 in 2019 and 49 in 2021.

There was one report of a hate

crime, which happened in 2020 and was related to race.

One fire was reported at MIT residences. It occurred in Ashdown House in 2020 due to "card-

board boxes left unattended on top of a stove."

Crime reports can be made to the MIT Police at (617)-253-1212 or anonymously at (617)-258-8477.

Take This.

photo@tech.mit.edu

Long Weekend
Solution, page 4

	9				8		7	
		9		2	4			
5				1		3	8	
2		3				7		4
	1						5	
6		5			9			2
	5	1		4				7
		6	1		7			
	2		6				4	

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

Oceantation
Solution, page 4

						6		8
	3		6			1		
5		4	1	8		3		
	5			9		2		
3	2				8	4		
8		5			3			
5		7	8	1				3
1		6		3				
3		9						

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

HAVE A FLING by Billie Truitt
Solution, page 4

ACROSS
1 Vapor from a teakettle
6 Whirlpool tubs
10 Hamster's home
14 Ship's freight
15 Scarlett O'Hara's home
16 Corrosive liquid
17 Ranchland measures
18 Totally destroy
19 Male deer
20 Mix your greens with dressing
22 Adjust, as a guitar
23 Covered in frost
24 Adjusts to change
26 Muscle spasm
30 Grade a bit lower than an A
32 Corned beef breakfast dish
33 __ or less (approximately)
35 Musical drama with sopranos
39 Former abbr. for Russia
40 Pungent slice on a burger
42 Chapters of history
43 Good-natured parody
45 Walking stick
46 Piece of a necklace chain
47 What fills a reservoir
49 Specks of land in a sea
51 Weekly pay
54 Cpl.'s superior
55 Difficult journey
56 Set up camp
63 Mortgage adjustment, for short
64 Creative notion
65 "Baked" side dish, slangily
66 Picnic invaders
67 Hit with an open palm
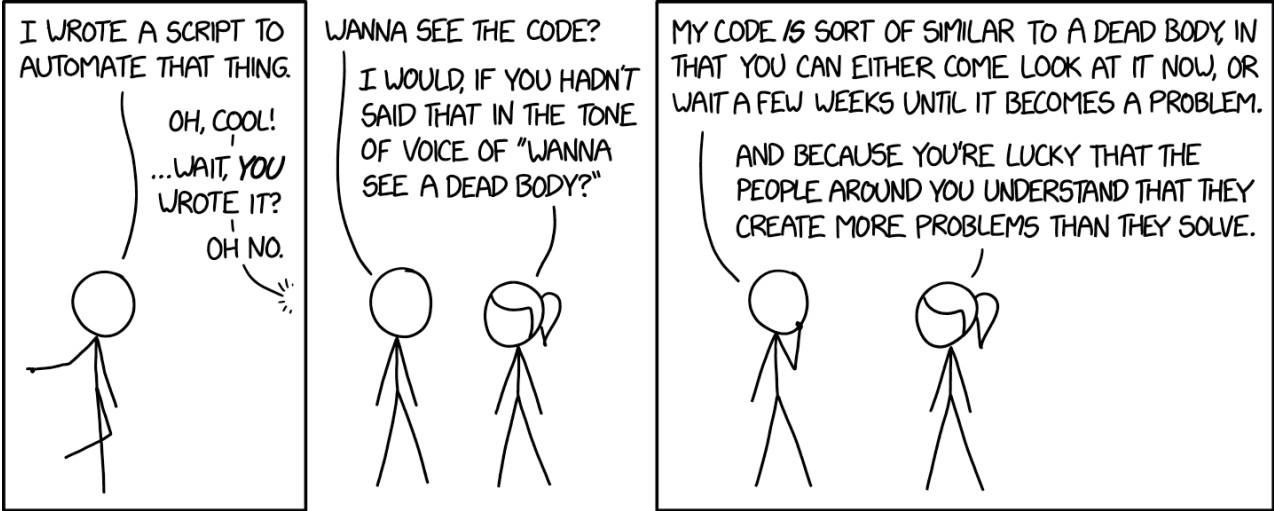68 Prefix for violet
69 Procedures
70 Little boy
71 Disreputable, as a bar

DOWN
1 "Shoo!"
2 Folded Mexican fare
3 Slips up
4 Very long time
5 Design of tiles
6 Go off the trail
7 McCartney or Revere
8 Solo for a soprano
9 Beach shoe
10 Hex someone
11 Behave badly
12 Colossal
13 Borders of tabletops
21 Luckless fellow
25 Twosome
26 Like so
27 Stinging insect
28 "That __ unfair!"
29 Show affection from several feet away
30 Prickly shrub
31 Lowly worker
34 "__ upon a time . . ."
36 A Great Lake
37 __ and rave
38 Inquires
41 Horse's cry
44 Distant
48 One using a keyboard
50 Maintain the __ quo
51 Scarecrow stuffing
52 Indoor sports venue
53 Southpaw
54 "Scenic" suffix for land
57 In an aimless way
58 Wood for patio furniture
59 Story that might be "tall"
60 Suffix for luncheon
61 Uncool student
62 Airline seat attachment

[2138] Wanna See the Code?

xkcd
A WEBCOMIC OF ROMANCE, SARCASM, MATH, AND LANGUAGE
by Randall Munroe

I WROTE A SCRIPT TO AUTOMATE THAT THING.
OH, COOL!
...WAIT, YOU WROTE IT?
OH NO.

WANNA SEE THE CODE?
I WOULD, IF YOU HADN'T SAID THAT IN THE TONE OF VOICE OF "WANNA SEE A DEAD BODY?"

MY CODE IS SORT OF SIMILAR TO A DEAD BODY, IN THAT YOU CAN EITHER COME LOOK AT IT NOW, OR WAIT A FEW WEEKS UNTIL IT BECOMES A PROBLEM.
AND BECAUSE YOU'RE LUCKY THAT THE PEOPLE AROUND YOU UNDERSTAND THAT THEY CREATE MORE PROBLEMS THAN THEY SOLVE.

And because if you just leave it there, it's going to start contaminating things downstream even if no one touches it directly.

Solution to Long
from page 3

1	9	4	3	6	8	2	7	5
7	3	8	9	5	2	4	6	1
5	6	2	7	1	4	3	8	9
2	8	3	5	9	6	7	1	4
4	1	9	2	7	3	8	5	6
6	7	5	4	8	1	9	3	2
3	5	1	8	4	9	6	2	7
8	4	6	1	2	7	5	9	3
9	2	7	6	3	5	1	4	8

Solution to Oceantation
from page 3

1	4	3	9	7	2	6	5	8
8	9	7	3	5	6	4	1	2
5	2	6	4	1	8	9	3	7
4	6	5	8	3	9	7	2	1
9	3	2	1	6	7	8	4	5
7	8	1	5	2	4	3	6	9
6	5	4	7	8	1	2	9	3
2	1	8	6	9	3	5	7	4
3	7	9	2	4	5	1	8	6

Solution to Have a Fling
from page 3

S	T	E	A	M		S	P	A	S		C	A	G	E
C	A	R	G	O		T	A	R	A		A	C	I	D
A	C	R	E	S		R	U	I	N		S	T	A	G
T	O	S	S	A	S	A	L	A	D		T	U	N	E
			I	C	Y			A	D	A	P	T	S	
T	W	I	T	C	H		B	P	L	U	S			
H	A	S	H		M	O	R	E		O	P	E	R	A
U	S	S	R		O	N	I	O	N		E	R	A	S
S	P	O	O	F		C	A	N	E		L	I	N	K
			W	A	T	E	R		I	S	L	E	T	S
S	A	L	A	R	Y			S	G	T				
T	R	E	K		P	I	T	C	H	A	T	E	N	T
R	E	F	I		I	D	E	A		T	A	T	E	R
A	N	T	S		S	L	A	P		U	L	T	R	A
W	A	Y	S		T	Y	K	E		S	E	E	D	Y