



MISTI Global Teaching Labs 2023



MISTI Global Teaching Labs: Learning through Teaching

Africa

- Ghana*
- South Africa*
- South Africa and Botswana*
- Ivory Coast*
- Tunisia*
- Morocco*

Asia

- Korea
- India*
- Kazakhstan*

Europe

- Germany
- Italy
- Norway*
- Armenia
- Georgia*
- Spain
- Andorra*
- England*
- Scotland*
- Wales

Middle East

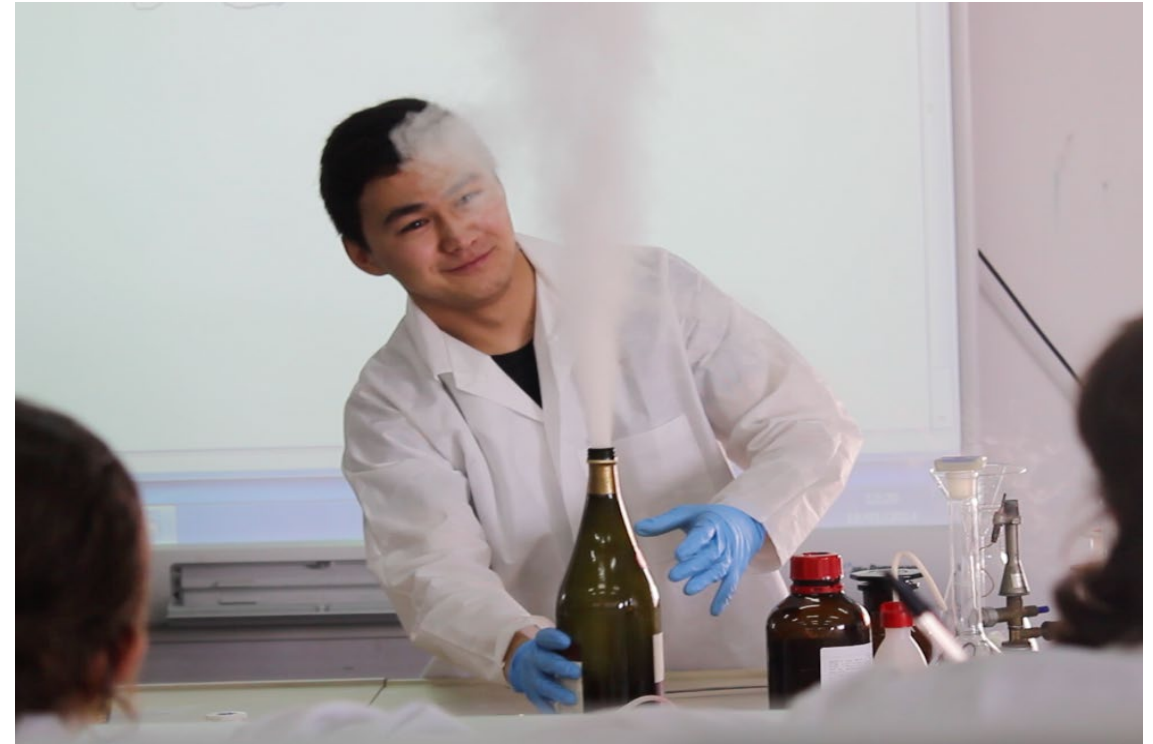
- Israel
- Arab World*
- MEET*

North America

- Mexico

South America

- Brazil
- Chile/Uruguay



GTL at a Glance

- **How many:** More than 400 MIT students placed in 2020
- **When:** Avg. 3.5 weeks between Jan 9th–Feb 3rd; Dates vary across programs
- **What:** Teaching one or more subjects
- **How:** All teaching takes place in ENGLISH
 - MIT Students teach **individually** or in **groups** up to 20 hours a week mostly with regular teachers' supervision. Size of teaching teams varies by school/country. Teaching must be HANDS ON
- **Housing:** Secured by hosts at school/family or by MISTI program; most students stay with families or at school dorms
- **Compensation:** Housing, airfare, and small stipend covering BASIC costs
- **Training:** Selected candidates **must** commit to participate in training (about 6–8 sessions on teaching and host country's culture and education system).



What host schools are looking for:

- Introduce new subjects or reinforce traditional ones with **hands-on** teaching
- Stimulate student interest in STEM topics and expose them to positive role models
- Familiarize students and teachers with MIT experiential methodology, focusing on problem solving
- Learn about MIT, US college culture, and US university system
- Improve English language skills
- Connect with MIT K-12 programs designed for high school science teachers





Why do MIT students do GTL?

- Learn about different education systems
- Practice experiential teaching and deepen subject knowledge
- Improve oral communication, learn to adapt and improvise
- Build skills to TA for a MIT course, explore interest in teaching career
- Get frustrated with/learn to appreciate another culture
- Gain confidence dealing with different cultural styles and contexts
- Improve language skills
- Prepare for a longer stay abroad
- See the world from the MISTI insider perspective

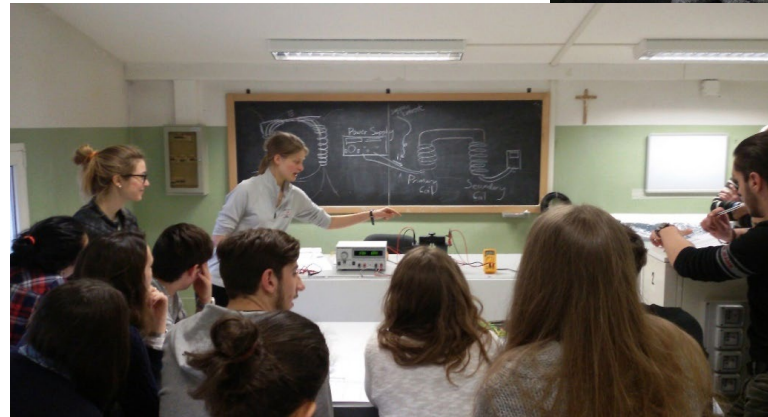
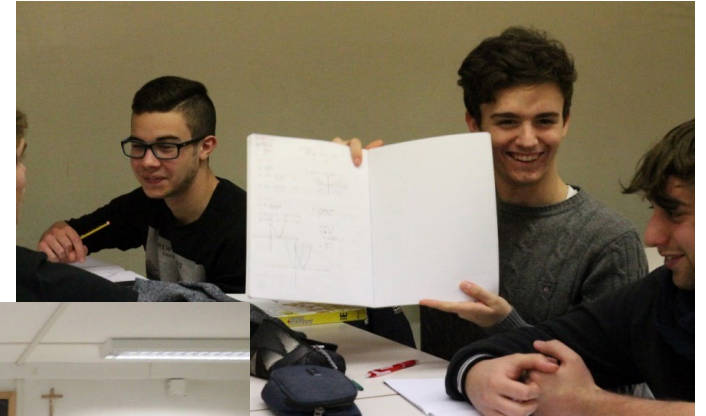




“Whenever you think you understand something, try to explain that to a kid!”

- Edgar Minasyan (Summer 2015 GTL – Armenia), describing GTL to Armenia’s President

***GTL is a lot of work,
but a lot of fun too!***



How to Apply

Deadline September 22nd


Apply Online, by going to the <https://misti.mit.edu/apply-now> page, scroll down to the GTL section.

1.

Global Teaching Labs

Please ensure you've read the details on how to apply, program requirements, application process, deadlines, and more on the [Global Teaching Labs](#).

> Application Process and Deadlines

 Apply Here

> Already started an application? Log in here.

2.

Program Options

Please select program options before continuing.

Select Term *

IAP 2023

Cancel

Continue



Selection and Matching Process

- You can select more than 1 country, but will first be considered by your 1st choice country, then 2nd, and so on. There is no guarantee your second choice program will be considering you though we will do our best to share applications among programs
- Make sure your country/subject/housing choices match
- Selected applicants will be contacted by country managers for interviews
- Country selection should be completed between mid October and mid November
- Training will take place between November and end of classes



What We Look For

- Proven knowledge of subjects to be taught
- Exposure to MIT teaching & learning methods (only a few programs take freshmen)
- Experience in hands-on activities, preferably subject-related
- Teaching experience & passion for teaching
- Good Communication skills
- Curiosity and flexibility
- Knowledge of host country language always a plus (required by some programs)



GTL Italy

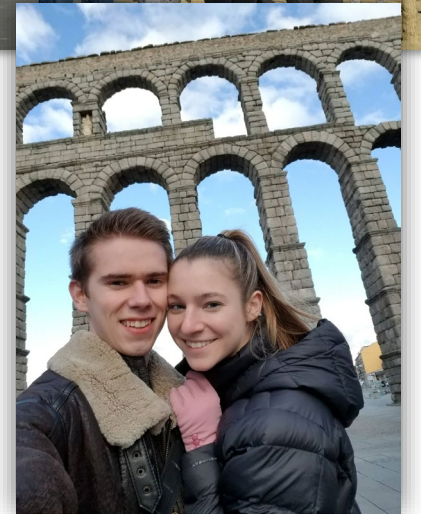


- **2023 Dates:** Jan 7th–28th
- **Subjects:** Students teach mostly STEM (**PHYSICS**) and **DEBATE** at 40+ high schools
- **Language:** Some Italian a plus—but not required
- **Location:** Most schools are in small towns you never heard of, mostly in Northern Italy.
- **Teaching Format:**
 - Some, but not all schools, host more than one student
 - All teaching is done individually - up to 20 hours a week
 - Students teach one or two curriculum related subjects - TEAL style
 - Each student has a mentor at the host school
- **Living:** Students stay with families chosen by host school
- **Stipend:** Basic costs covered through a combination of host schools (800 Euros stipend) and program funding (travel costs covered)
- **Timeline:** Select students will be called in for interviews, placements finalized by mid November
- **Spots:** between 30 and 60



GTL Spain

- **2023 Dates:** Teaching dates January 9th– February 3rd
- **Location:** Public/Semi-Private Schools in and around Barcelona, Madrid, Mallorca
- **Language:** Knowledge of Spanish preferred but not required
- **Subjects:** All STEM subjects + technology, robotics and programming
- **Living/stipend:** Homestays with families associated with schools. Students receive a small weekly stipend
- **Teaching format:** Individual placements with host teacher, some workshops (approx. 20 hrs/week)
- **Spots:** 30 +/-
- Enthusiasm, positive attitude and flexibility are a plus!





GTL Andorra

2023 Dates: January 9th – February 3rd

Location: Principality of Andorra. Tiny country located in the Pyrenees Mountains between Spain and France (official languages: Spanish, French and Catalan)

Language: Knowledge of Spanish preferred but not required. Seeking 1 French speaker

Living/stipend: Homestays with families associated with schools. Students receive a small weekly stipend

Subjects: All STEM subjects + technology, robotics and programming (approx. 20 hrs/week)

Teaching format: Students placed in individual schools and matched with local teacher who will coordinate schedule

Spots: 5 spots



GTL Scotland

2023 Dates: Jan 7 – Feb 3

Location: Aberdeen

Living/stipend: Private apartment, self-catered. Weekly stipend.

Language: English

Subjects: Robotics; Green Tech; Sustainable Energy; Biotechnology; AI & Data Science; Entrepreneurship

Teaching format: K-12 classes, workshops and clubs

Spots: 2

Eligibility: Juniors and above



GTL Wales

2023 Dates: Jan 7 – Jan 31

Location: Across Wales

Living/stipend: Host families. Weekly stipend.

Language: English

Subjects: Physics, Biology, Maths, Computer Science, Chemistry, Geography, Sustainability, Robotics, Design

Teaching format: K-12 classes, community colleges classes, workshops and clubs, panels

Spots: 12

Eligibility: Enthusiasm for your subject and some previous experience teaching / tutoring / mentoring



Info sessions with GTL Wales partners on Monday Sep 19th at MISTI office (E40) from 12:30-1:30pm and 5:30pm-6:30pm

bit.ly/gtl-wales-info

GTL England

2023 Dates: Jan 7 – Feb 3

Location: Northwest England

Living/stipend: Private apartment, self-catered. Weekly stipend.

Language: English

Subjects: Physics, Biology, Maths, Chemistry,

Teaching format: K-12 classes, workshops and clubs, panels

Spots: 2

Eligibility: Juniors and above





GTL Norway

Subjects: Math and Physics; Molecular Biology; Programming; Entrepreneurship and Innovation

Location: Ullern and Fredrikstad (near Oslo)

6 spots available

Previous teaching, TAing, mentoring experience required

Dates: 3/3.5 weeks (last day of teaching January 27)

All travel and living expenses covered

Housing: Local host families

Extracurriculars: Cross-country skiing, hiking, drinking warm beverages, and more!



MISTI Eurasia: Armenia, Kazakhstan, Georgia



Location: Yerevan, Nur-Sultan, Almaty, Tbilisi
Living: Host families/apartments

Language: Not required
Subjects: STEM, design, Space

Teaching format: varies
Spots: 20 (2/host organization)
Hosts: Posted on website!



== GTL Germany ==

Dates: January 9 – February 3, 2023

Location: All over Germany!

Living/stipend: Travel and expenses covered; housing with host family connected to school

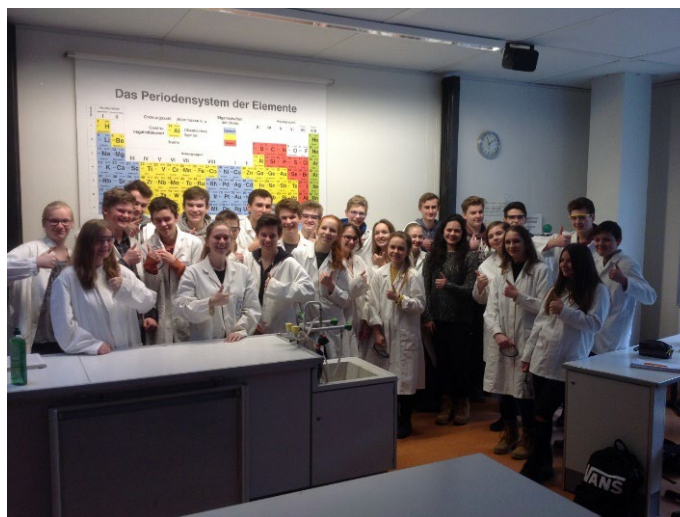
Language: None required

Subjects: All STEM – Bio, Chem, CS, Math, Physics

Teaching format: Standard hands-on, 10h/wk; all students teach in pairs

Spots: 25–35

- Special “buddy” program w/ university partners in Stuttgart & Regensburg (6 ea)
 - Stuttgart program includes “buddy” visit to MIT in Mar/Apr, w/Edgerton Ctr!



GTL Chile/Uruguay

Dates: January 9–27

Location: Chile and Uruguay

Living/stipend: Apartments with other MIT students + stipend

Language: Chile: Basic Spanish

Uruguay: English

Subjects: Chile: Intro to Python (6.0001)

Uruguay: Machine Learning,
Entrepreneurship

Teaching format: In-person, workshop.

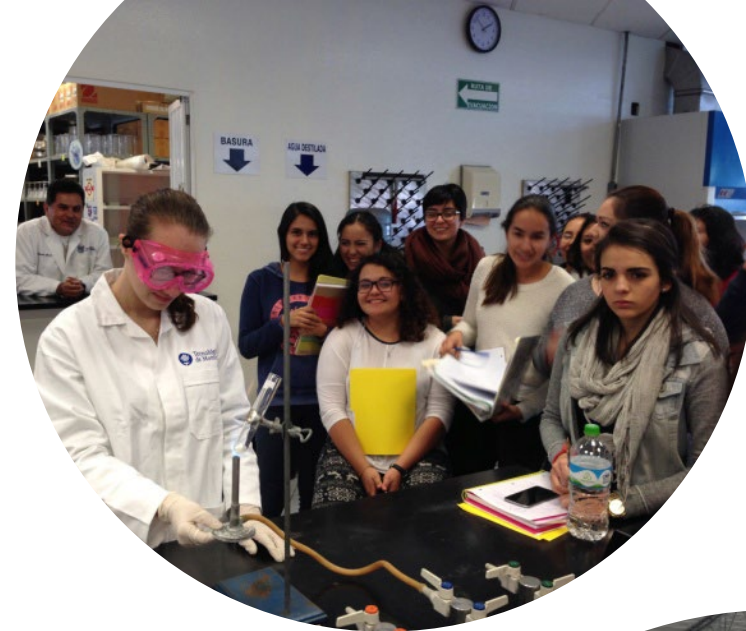
Spots: Chile: at least 4

Uruguay: at least 10



GTL Mexico

- **Dates:** Varies per school 3 or 4 weeks. Starting January 9th or 16th 2023
- **Locations:** Mexico City, Merida, Aguascalientes, San Luis Potosi, Monterrey and Queretaro
- **Teaching format:** at least 2 MIT students per school. Paired up to teach with local teachers and/or prepare hands-on workshops
- **30+ Spots**
- **Living:** Host family, school residences, or shared apartment depending on school
- **Language:** Knowledge of Spanish is preferred but not necessary
- **Subjects:**
 - Teaching STEM to middle school girls and high schoolers
 - Leading workshops in engineering and coding for high school students



Global Teaching (GTL) and Startup Labs (GSL) - Brazil

Dates: Arrival in Brazil Jan 6 or 7, Programs start on Jan 9. Departure from Brazil on Feb 3.

Locations: Multiple.

Living/stipend: All costs covered plus generous stipend during fall (prepping the workshops ~ 2 hours/ week) and IAP.

Language: Portuguese not mandatory for GSL (taught in English), but a plus for GTLs.

Subjects:

Rover Build-a-thon (Teaching Lab) high school students from public schools)

The Polymers of Soccer (Teaching Lab) high school students from public schools)

Health Tech (Startup Lab / College students)

Teaching format: Hands-on workshops, PBL.

Spots: 15- 20

**MIT
Brazil**



GTL – MEET

Building Bridges

Middle East Entrepreneurs of Tomorrow

Location: Jerusalem

Dates: Four weeks, from Sunday, January 8, to Thursday, February 2

About: MEET brings together young Israeli and Palestinian leaders to create positive change through technology and entrepreneurship.

Subject: Computer Science: Python, iOS, Android, and more

Format: One team of three students

Accommodations: Apartment or dormitory



GTL-Arab World

Location: Jordan, Bahrain

Dates: Four weeks, from January 8 to February 2

About: Teach STEM subjects to high school and college students

Subjects: STEM

Format: Four to eight students total

Accommodations: Apartment or dormitory



GTL Israel: Start-Up Nation

Locations: Across Israel

Dates: Four weeks, from January 8 to February 2

Subjects and format: Varies by track

Accommodation: Hostels, dorms, and apartments

Language requirement: Six-hour minicourse in Hebrew



Tracks: Israel 2023

- Team teach project-based STEM and cultural exchange subjects to Israeli and Arab high school students all over the country
- Teach **agtech, robotics, urban farming, and environmental science** at an agricultural research greenhouse on a kibbutz
- Teach **marine biology and environmental science** at a youth village on the Mediterranean coast
- Teach one-week seminars in **entrepreneurship and innovation** at a different school every week
- Teach one-week seminars in **computer science and STEM subjects** at a different school every week



GTL “Classic” – South Africa, Botswana, Morocco



	Dates*	Location	Subject	Courses	Spots	Language
South Africa	Jan 9 – 20	Durban	Renewable Energy/Green Hydrogen	1, 2, 3, 5, 6, 8, 10, 11, 13, 14, 15, 22	4 – 5	English
South Africa/ Botswana	Jan 3 – 16 (Early IAP)	Johannesburg /Gaborone	“The Robot Next Door”	All with emphasis on 2, 6, and 9	10	English
Morocco	Jan 9 – End of IAP	Agadir, Casablanca, Rabat	“Making the Most of Maker-Spaces”	Engineering Courses	6	French, Arabic, English

GTL "IMO" – Ghana, Ivory Coast, South Africa, Tunisia



	Dates*	Location	Subject	Spots	Language
Ghana	Early IAP, 2 weeks	Accra	Math / College Admissions	3	English
Ivory Coast*	TBD (2 Weeks)	Abidjan	Math / College Admissions	3	French, English
South Africa	Jan 5 - 16	Cape Town or Stellenbosch	Math / College Admissions	3	English
Tunisia	Early IAP, 2 Weeks	Tunis	Math / College Admissions	3	French, Arabic, English

MIT-India GTL

Dates: Three weeks [January 2023]

Location: West Bengal and Bangalore

Living/stipend: Stipend provided; Housing provided by organization

Language: No language requirement

Subjects: All STEM subjects; Course 6

Teaching format: Workshop; Teaching facilitation

Spots: Two MIT students per organization; Paired up to prepare workshops to train local teachers and students; We have opportunities at two different organizations



MIT-Korea GTL

- **Mission:** Promote MS/HS students' motivation for STEM learning and help build stronger foundation for lifelong education and higher career aspirations.
- **Means:** Independently-developed *Mens et Manus*, hands-on STEM workshops + classes taught 3-4 wks, 4-5 hrs/day as extracurricular program in Jan.
- **Method:** Teams of 2-4 develop workshops with \$3-4k budget. ~2-4 hrs/wk prep work Oct-Dec.
- **Location:** HS for NKorea escapees, non-profits for disadvantaged students, intl MS/HS.
- **Need:** Passion & talent for hands-on teaching/learning, ability to excite about STEM concepts. Also:
 - Full-time commit in Jan, 40-60 hrs/wk
 - Lang not required but need fluent Korean/Chinese speakers for select placements.
 - Serious interest in 2 consecutive yrs of Korea GTL for deeper global experience is a plus.



"All physical theories ... ought to lend themselves to so simple a description that even a child could understand them." -- Albert Einstein

MISTI GTL Questions?

Contact: MISTI@MIT.EDU

