



# MISTI Global Teaching Labs 2024



# MISTI Global Teaching Labs: Learning through Teaching

## Africa

- Ivory Coast\*
- Ghana\*
- South Africa/Botswana\*

## Asia

- Korea
- India\*
- Indonesia\*
- Kazakhstan\*

## Europe

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

## Middle East

- Israel
- Bahrain\*
- Jordan\*

## North America

- Mexico

## South America

- Brazil
- Chile
- Peru
- AI Uruguay



# GTL at a Glance

- **How many:** Nearly 400 MIT students placed in 2023
- **When:** Avg. 3 weeks between Jan 7th–January 30th; Dates & Duration vary slightly 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:** Varies by country. Secured by hosts at school dorms/host 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 & 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

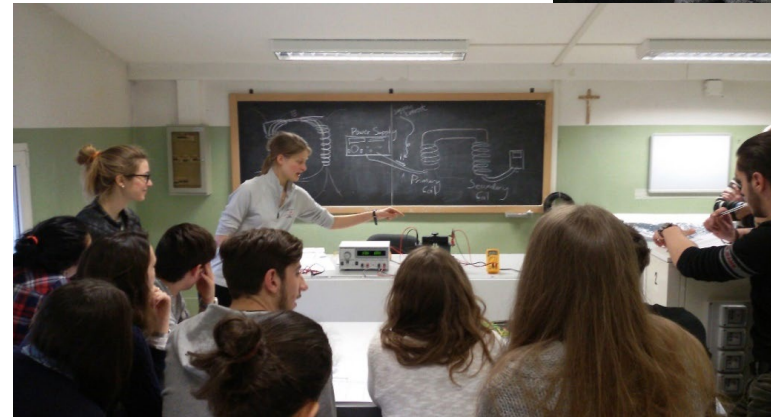
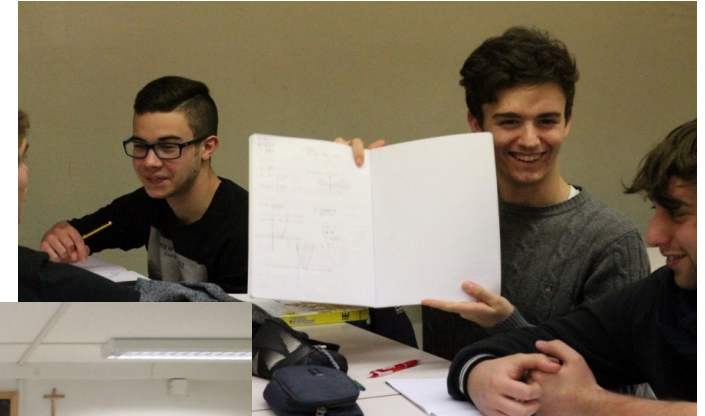




“Whenever you think you understand something, try to explain that to a kid!”

- 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 19<sup>th</sup> at 11:59 PM

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

IAP, 2024 Cancel Continue

There is no final “Submit” button. Click “Done” after each section once it is complete.

Documents must be uploaded as PDFs.

Passport does not need to be submitted.

We will send an email to all applications that are complete on **September 20<sup>th</sup>**!



# Selection and Matching Process

- You can prioritize 2 country programs & indicate your interest in ALL of them
- You will be considered by your 1<sup>st</sup> choice country, then 2<sup>nd</sup>, and then all others. There is no guarantee your second choice program (or any other program) will consider you if your first choice program does not select you-- though we 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
- If offered a position you will have to commit very fast—sometimes before knowing at which school/in which location you will be teaching
- Country selection should be completed between mid October and early 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 (Very few programs take first years—so please check)
- 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)



# What We Look For

- **First years applicants are ONLY eligible for the following programs/subjects:**
  - Italy: For Debate
  - Ivory Coast: For Competition mathematics
  - Ghana: For Competition mathematics
  - Armenia: Any subject
  - Kazakhstan: Any subject
- **Knowledge of host country language always a plus, but some programs have Language Requirements:**
  - Spain: Spanish Required – Conversational/intermediate level is a minimum
  - Andorra: Spanish Required – Conversational/intermediate level is a minimum. One placement for a French speaker.
  - Ivory Coast: Seeking French speakers
  - Brazil: Portuguese required – Intermediate level
  - Korea: No language requirement, but seeking Korean and Mandarin speakers for select placements



# GTL Italy

- Students teach mostly STEM (**PHYSICS**) and **DEBATE** at 40+ high schools
- FRESHMEN ACCEPTED FOR DEBATE ONLY
- Italian a plus-but not required
- Most schools are in small towns you never heard of, mostly in Northern Italy.
- 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
- Students stay with families chosen by host school
- Basic costs covered through a combination of host schools ( 800 Euros stipend) and program funding(travel costs covered)
- Select students will be called in for interviews
- Timeline: placements finalized by mid November
- Dates Jan 7-27th
- Available spots: between 30 and 60



# GTL Israel: Start-Up Nation

**Locations:** Across Israel

**Dates:** Teaching from January 7–February 1 (plan to arrive a few days early and depart February 2 or later)

**Subjects and format:** Varies by track

**Accommodation:** Hostels, dorms, and apartments

**Language requirement:** Six-hour minicourse in Hebrew



## Tracks: Israel 2024

- Team teach project-based **STEM subjects** to Israeli and Arab high school students all over the country
- Teach **agtech, robotics, urban farming, and environmental science** at boarding schools
- 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-Arab World

**Location:** Jordan, Bahrain

**Dates:** Teaching from January 7-February 1 (plan to arrive a few days early and depart February 2 or later)

**About:** Teach STEM subjects to high school and college students

**Subjects:** STEM

**Available Spots:** 9 students in Bahrain and 12 students in Jordan

**Accommodations:** Apartment or dormitory



# GTL Scotland

**2024 Dates:** Jan 6th – 27th

**Location:** Aberdeen

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

**Language:** English

**Subjects:** Green Tech; Sustainable Energy; Creative Design and Product Development; AI & Data Science; Entrepreneurship; Robotics

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

**Spots:** 3

**Eligibility:** Juniors and above



# GTL Wales

**2023 Dates:** Jan 6 – Jan 27

**Location:** Across Wales

**Living/stipend:** Host families. Weekly stipend.

**Language:** English

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

**Teaching format:** K-12 classes, community colleges classes, workshops and clubs, panels. Weekly curriculum development workshops with host teachers.

**Spots:** 12

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



**Zoom info session with GTL Wales partners on Thurs Sep 14<sup>th</sup> at noon:**



# GTL England

**2023 Dates:** Jan 6 – Jan 31

**Location:** London and Kent

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

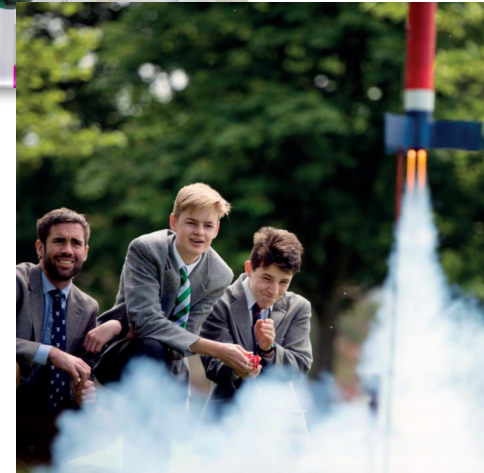
**Language:** English

**Subjects:** Physics, Computer Science, Biology, Maths, Chemistry, Rocket Team

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

**Spots:** 4

**Eligibility:** Juniors and above





# MIT-India GTL

**Dates:** Three weeks [January 2024]

**Location:** Udaipur

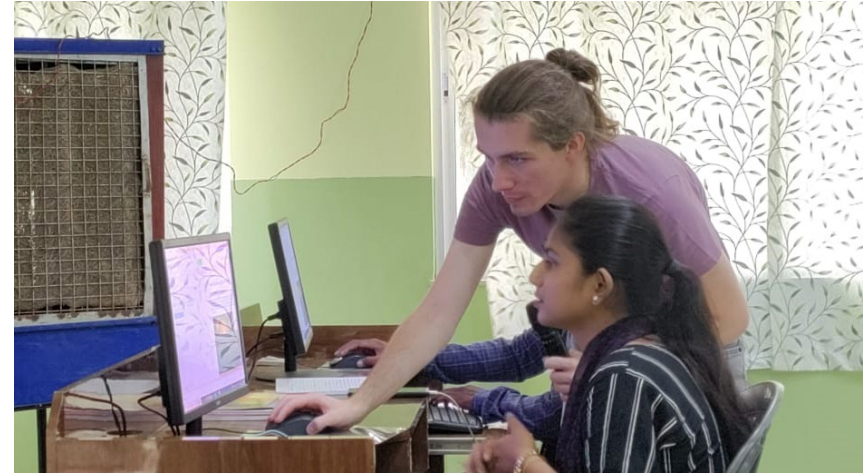
**Living/stipend:** Stipend provided; Housing provided by organization

**Language:** No language requirement

**Subjects:** All STEM subjects; Course 6

**Teaching format:** Teaching facilitation; workshop

**Spots:** 3-5 MIT students; Paired up to prepare workshops and facilitate lessons in soft skills in STEM related to professional development. Students will have the chance to plan and run workshops/hackathons in STEM subjects.



# MIT-India GTL – Hacking Medicine

**Dates:** Three weeks [January 2024]

**Location:** Mumbai

**Living/stipend:** Stipend provided; Housing provided by the healthcare organization

**Language:** No language requirement

**Subjects:** All STEM subjects; with preference for majors from courses 2, 6, 15, 20

**Teaching format:** Come join us this winter to run the bootcamp by teaching relevant skills and topics in healthcare and healthcare innovation

**Spots:** 5 MIT students

**More info:** MIT Hacking Medicine channels the MIT's hacking spirit to challenge the status quo in healthcare. We host healthcare innovation events and this IAP we are hosting a bootcamp for healthcare innovation with IIT Mumbai. Come join us this winter to run the bootcamp by teaching relevant skills and topics in healthcare. Our design methodology is based in research and lays the foundation for implementing impactful healthcare solutions. You will work with our team that has spun out leaders in the healthcare innovation sphere to teach the next generations of healthcare innovators in India. Hacking Medicine: Break it down, build it up, make it better. Students with experience in teaching, entrepreneurship, rapid prototyping, research or work in healthcare innovation.



# GTL Programs in Africa



	Dates	Location	Subject	Spots	Seeking
Ghana	Jan 8 – 19+	Accra	Competition Math	3	Competition math experience
Ivory Coast	Jan 5 – 13+	Abidjan	Competition Math	3/4	Competition math experience, French skills
South Africa & Botswana	Jan 8 – 19+	Johannesburg & Gaborone	Renewable Energy	9	Relevant UROP and internship experience, Leadership experience, Open to graduate students



# GTL Norway

**Subjects:** Math & Physics; Earth & Climate Science; Computer Science & Programming; Entrepreneurship & Design

**Location:** Fredrikstad (1 hour from Oslo)

**3-4 spots available**

*Previous teaching, TAing, mentoring experience required*

**Dates:** 3 weeks (last day of teaching January 26)

**All travel and living expenses covered**

**Housing:** Local host families

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



# GTL Chile/Peru /Uruguay

**Dates:** January 8–26

**Location:** Chile, Peru and Uruguay

**Living/stipend:** Apartments with other MIT students + stipend

**Language:** Chile , Peru : Basic Spanish

Uruguay: English

**Subjects:** Chile, Peru: Intro to Python (6.0001)

Uruguay: Machine Learning, AI, Entrepreneurship

**Teaching format:** In-person, workshop.

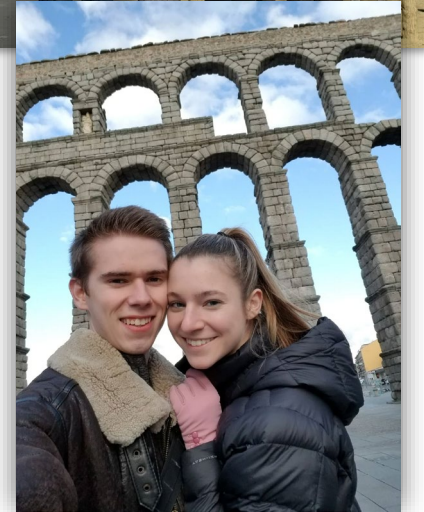
**Spots:** Chile, Peru: at least 10

Uruguay: at least 10



# GTL Spain

- **2024 Dates:** Teaching dates January 10<sup>th</sup> – January 31<sup>st</sup>
- **Location:** Public/Semi-Private Schools in and around Barcelona, Madrid, Mallorca
- **Language:** Intermediate, Conversational Spanish required
- **Subjects:** All STEM subjects + technology, robotics and programming. Some schools seeking makerspace experience
- **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 10<sup>th</sup>–January 31<sup>st</sup>

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

**Language:** Intermediate, conversational Spanish 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 Mexico

- **Dates:** Varies per school 3 weeks. Starting January 8<sup>th</sup> or 15<sup>th</sup> 2024
- **30 + spots**
- **Locations:** Mexico City, Merida, Aguascalientes, San Luis Potosi, Monterrey, Queretaro and possibly other locations
- **Teaching format:** at least 2 MIT students per school. Paired up to teach with local teachers and/or prepare hands-on workshops
- **Living:** Host family, school residences, or shared apartment depending on school
- **Language:** Knowledge of Spanish is preferred but not necessary. Some schools do recommend Spanish.
- **Subjects: ALL STEM**
  - Some spots (6) are for female identified students to teach STEM and coding to middle school girls and high schoolers
  - Leading workshops in engineering and coding for high school students





# == GTL Germany ==

**Dates:** January 8 - 26, 2024

**Location:** All over Germany!

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

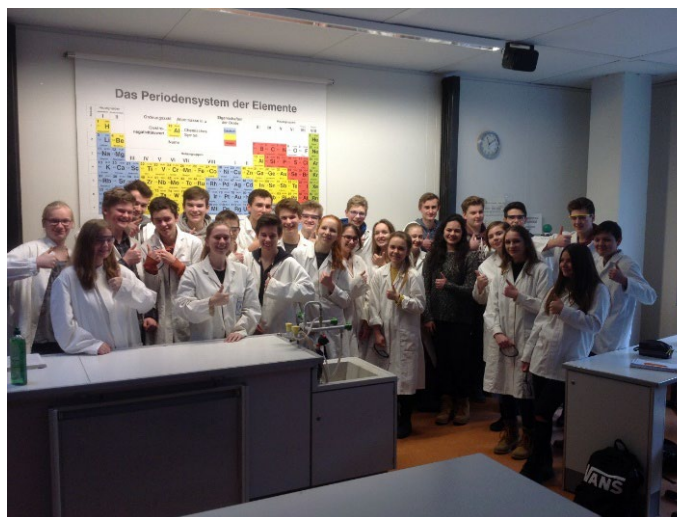
**Language:** None required

**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!



# MISTI Eurasia: Armenia, Kazakhstan, Georgia



**Locations:** Capitals + rural areas  
**Living:** Host families / apartments /  
dorms  
**Teaching format:** varies

**Language:** Not required (Armenian,  
Kazakh, Russian preferred)  
**Subjects:** STEAM,  
business/entrepreneurship, debate

**Spots:** 30 (2/host organization)  
**Hosts:** Posted to the website

**FIRST-YEAR STUDENTS ARE  
WELCOME TO APPLY!**

# Brazil Global Teaching Lab

Dates: IAP 2024 = Jan 8 - Feb 2. Arrival on Jan 6. Locations: Multiple.

Language: Portuguese required. If you are studying on your own, we will ask you to take a quick test.

No first-year students.

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

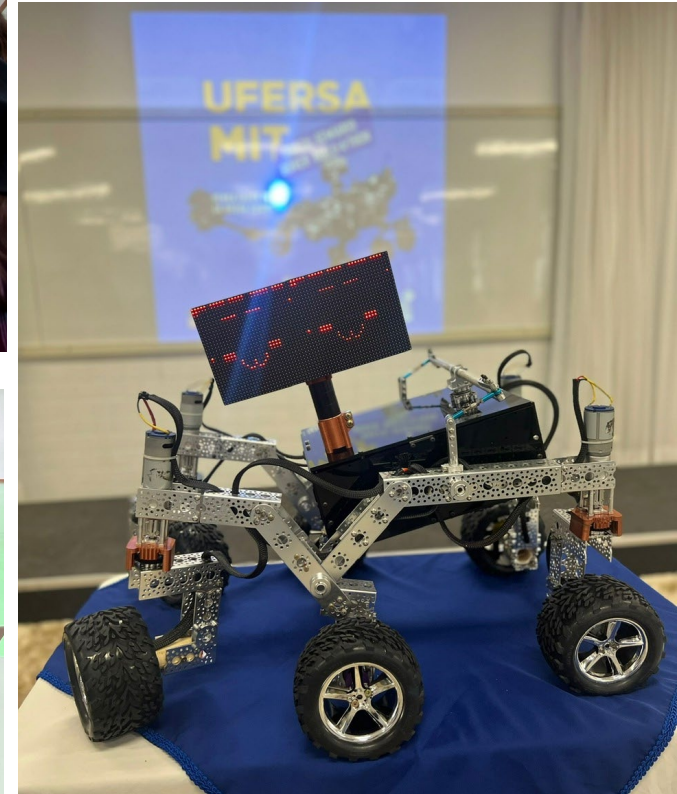
**Rover Build-a-thon** (Robotics, Programming)

**Polymers of Soccer** (includes experiments and workshops on STEM topics such as materials science, polymer recycling, rapid prototyping, and the circular economy, all related to soccer, covering the ball, fabrics/uniforms, concessions, and the stadium.

Teaching format: Hands-on workshops, PBL. Summer camp style. Summer in Brazil, students on vacation.

**Spots: ±8**

**MIT  
Brazil**



# GTL Indonesia

## Ministry of Education, Culture, Research & Technology's *Beasiswa Indonesia Maju* Overseas Study Preparation Program

BIMTS 1 & 2 - Preparation Program

- **Dates:** 3 weeks in January
- **Location:** Jakarta
- **Living:** Travel, stipend, shared apt or hotel rooms
- **Language:** English
- **Subjects:** Product Design, Design Lab, Mech E, Computer Science, Uni Student Life
- **Format:** Team workshop for high school students preparing for overseas degree programs
- **Spots:** 3-4. Previous teaching, TAing, etc experience required



Projects Development



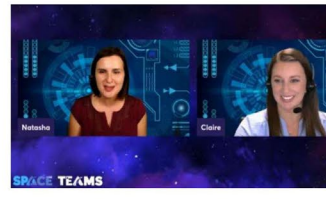
Fields Observation



Lab Visits



Int'l Conference



Int'l Competition



# 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](mailto:MISTI@MIT.EDU)

MISTI Semester Study Abroad Info Session:  
Next Tuesday (September 19<sup>th</sup>) at 5 pm in Room  
3-133!

