

MISTI GLOBAL TEACHING LABS IN KAZAKHSTAN IN 2018

PARTNER: LEGO Education Afterschool Program - Centers in Almaty and Astana

Open Innovations Centers (LEAS Centers) is an official exclusive partner of the LEGO Education Afterschool Program in Almaty and Astana, Kazakhstan. The Centers were founded by Shukhrat Sadyrov, an MIT alumnus who is passionate about bringing high-quality STEM education to Kazakhstan.



MIT alumnus Shukhrat Sadyrov in one of LEAS Centers. Photo credit: www.kursiv.kz

Currently, there are three LEAS Centers in Kazakhstan, two in Almaty and one in Astana. They provide afterschool education in STEM subjects like Robotics, Programming, Engineering, Applied Math and Physics. All courses are designed by LEGO Education (member of the LEGO Group). The LEAS Centers provide courses in three languages: English, Russian and Kazakh.

GOALS: In January of 2018, the LEAS Centers will organize an Open Robotics Competition in Almaty, the largest city in Kazakhstan, with the support of the governor's office. It will be open to all high school kids from Kazakhstan. To prepare them for the competition, the LEAS Centers will also host the *Winter Innovations Science Camp* taught by MIT students.

The goal of the *Winter Science Camp* is to inspire kids to learn more about technology, engineering, and robotics. In addition, the camp will give a unique opportunity to parents and kids to learn about MIT's approach to hands-on education.

LOCATIONS: The *Winter Science Camp* will be organized in two cities – Almaty and Astana.

AUDIENCE: The age of participating kids will be from 7-14 years old. We expect that more than 200 kids will participate in the program in each city. MIT students will work together with the LEAS Center's teachers (U.S. university graduates).

NUMBER OF INVITED MIT STUDENTS: The LEAS Centers would like to invite **two** MIT students who major in Engineering, Computer Sciences, or, specifically, in AI and Robotics. MIT students will teach separately.

HOUSING: MIT students will be placed with host families.

DATES*:

- **First workshop in Almaty:** Tuesday, Jan. 9 – Friday, Jan. 19 (10 days of in-class teaching, including on Sat., Jan. 13th)
- Transfer between Almaty and Astana: Saturday, Jan. 20
- **Second workshop in Astana:** Monday, Jan. 22 – Thursday, Feb. 1 (10 days of in-class teaching, including Sat., Jan. 27th)

** MIT students are expected to teach up to 20 hours per week and spend up to 20 hours on preparation.*

AFTER WORK:

MIT students will have a chance to enjoy ski resorts, which are located within the City of Almaty and visit cultural events organized for the winter holidays.

STIPEND: All program expenses are covered, including airfare, housing, visas and a stipend (\$700).