



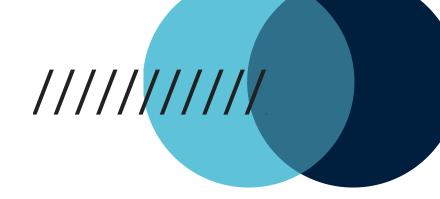
HOW TO SUCCEED AS A STEM INNOVATOR

PROGRAM GUIDE

2021 SUMMER SESSION 2: PHILADELPHIA-GLOBAL EXCHANGE







PROGRAM MODEL

The Citizen Diplomat Academy is a free, virtual, international exchange program for high school and university students in Philadelphia who are interested in addressing the world's most pressing challenges.

This unique and ambitious initiative connects students in the Philadelphia area with their peers overseas. Together, students will learn to apply the core skills of diplomacy, cross-cultural dialogue, STEM innovation, and social entrepreneurship from a rotating group of instructors from the top universities, business start-ups, social innovation labs, and cultural institutions in Philadelphia and around the world.

Participants: High school and university students ages 14-26

25 students from the Philadelphia area & 25 peers from overseas

Weekly format: Programs meet once a week for 4 weeks

90-minute live virtual sessions 10:00 - 11:30 AM Philadelphia Time

2 hours of asynchronous activities each week completed any time

PROGRAM OPTIONS

How to Succeed as a STEM Innovator

High school or University-level

This program will inspire STEM students to become entrepreneurs and business leaders. The exchange model teaches students what the journey looks like from studying STEM in school to bringing innovation to the business market.

How to Succeed as a Social Innovator

High school level only

This program will inspire students to be involved in civic life, The exchange model teaches students how to use dialogue to address global challenges and other UN Sustainable Development Goals. Students learn how to make our world a more peaceful and prosperous place through art and music; politics and law; and community leadership.

Note: Both pathways include an intercultural dialogue component through which students learn the communication skills needed to effectively exchange ideas about their culture and experience.



SCHEDULE

How to Succeed as a STEM Innovator – High School level Tuesdays, August 3, 10, 17, & 24 / 10:00 - 11:30 AM Philadelphia Time

How to Succeed as a Social Innovator – High School level Wednesdays, August 4, 11, 18, & 25 / 10:00 - 11:30 AM Philadelphia Time

How to Succeed as a STEM Innovator – University level
Thursdays, July 29; August 5, 12, & 19 / 10:00 - 11:30 AM Philadelphia Time

FORMAT



Instructors

A rotating selection of professionals from the top universities, business start-ups, social innovation labs, and cultural institutions from Philadelphia and around the world



Asynchronous content

Supplemental reading and videos related to core themes. Students will exchange through video posts and discussion threads related to the curriculum and life in their respective cities.



Live sessions

Each 90-minute live, virtual session will be split, with time dedicated to cross-cultural dialogue between students, and time dedicated to the course's core. All sessions will have the following structure:

- 30 minutes of dialogue & cross-cultural instruction
- 10-15 minutes breakout groups for discussion
- 30 minutes for a featured guest speaker who will address the theme of either a STEM or Social innovation
- 10-15 minutes of Question & Answer with the guest speaker



COURSE PLAN: HOW TO SUCCEED AS A STEM INNOVATOR

Week 1:

Dialogue Training - Building Blocks of Culture STEM Innovation - The Innovative Thinker

Learning objectives through live and asynchronous activities:

- · Increase awareness of cultural difference
- Learn how innovations are rooted in cultural assumptions
- Understand the need to think big, and practice "moonshot" thinking and other approaches to innovation
- Determine the key steps of the innovation cycle
- · Discuss current pressing issues that will require cross-border STEM solutions

Week 2:

Dialogue Training - The Tools of Dialogue STEM Innovation - The STEM Entrepreneur

Learning objectives through live and asynchronous activities:

- Identify and practice using tools to work across cultural differences
- Determine the steps of the entrepreneurial process from an initial idea to research and prototyping, pitching a product, securing funding, and scaling a business
- · Understand the unique challenges associated with starting a STEM-based business
- Learn the impact of international STEM entrepreneurs and their ventures

Week 3:

Dialogue Training - Engaging Differences Stem Innovation - The STEM Workplace

Learning objectives through live and asynchronous activities:

- Identify and practice using tools to navigate bias and stereotypes
- Identify common biases and stereotypes encountered in the STEM/entrepreneurship fields
- Learn about the day-to-day experience of a STEM innovator/entrepreneur
- Understand how STEM Innovators rely on cross-cultural communication in their work

Week 4:

Dialogue Training - Information Responsibility STEM Innovation - The STEM Leader

Learning objectives through live and asynchronous activities:

- Learn to identify and challenge false or biased information
- Understand the importance of sound information in dialogue and collaboration
- · Determine the characteristics of a successful leader
- Identify the components of a strong team and/or partner in STEM work



COURSE PLAN: HOW TO SUCCEED AS A SOCIAL INNOVATOR

Week 1:

Dialogue Training - Building Blocks of Culture Social Innovation - The Challenge of Social Innovation

Learning objectives through live and asynchronous activities:

- · Increase awareness of cultural difference
- · Learn how innovations are rooted in cultural assumptions
- Define the term "Social Innovation" and distinguish how it differs from other types of innovation
- Understand the social innovation process, and how creativity, compassion, and collaboration are necessary characteristics for social innovation to occur

Week 2:

Dialogue Training - The Tools of Dialogue Social Innovation - The Social Entrepreneur

Learning objectives through live and asynchronous activities:

- Identify and practice using tools to work across cultural differences
- Link the social innovation process to the social entrepreneurship process
- Understand the pathways of a social entrepreneur; non-profits, social enterprises, and ethical business
- · Learn about the impact of social ventures that collaborate across borders and cultures

Week 3:

Dialogue Training - Engaging Differences Social Innovation - Social Innovation in the Arts

Learning objectives through live and asynchronous activities:

- Identify and practice using tools to navigate bias and stereotypes
- Learn how people use art as a medium to improve to address social challenges
- Understand how social innovators in the art space rely on cross-cultural communication in their work
- Identify artists and art-focused organizations that are leading in social innovation

Week 4:

Dialogue Training - Information Responsibility Social Innovation - Social Innovation in the Civic Arena

Learning objectives through live and asynchronous activities:

- Learn to identify and challenge false or biased information
- · Understand the importance of sound information in dialogue and collaboration
- Learn how people use law, government, and community leadership to address social challenges
- Understand how social innovators in the civic space rely on cross-cultural communication in their work
- Identify civic leaders and community organizations that are leading in social innovation