

Preparing for the Future of Work

U.S. High School Students, Global Citizenship, and 21st Century Skills

Workplace of the Future

Global Teams

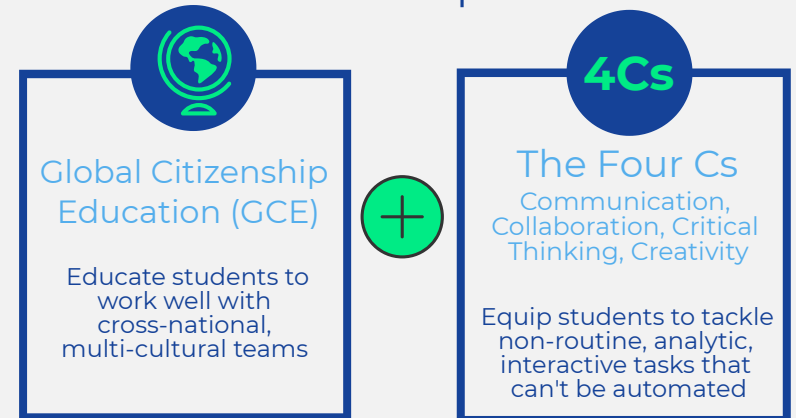
- Work flows seamlessly across national borders
- Domestic teams are increasingly multicultural
- Success requires understanding cultural differences

Automation Rises

- Simple, routine tasks are automated
- Humans do non-routine, analytic, interactive tasks
- Workers must add value to automation

Students with these skills will be in a better position to succeed in the workplace of the future.

So, Educating Students for this Future Requires...



Global Citizenship Education

1 in 3 Students Feel They Are Being Prepared for Global Citizenship

Only

33%

of students say high school is preparing them to be an **EFFECTIVE** and **RESPONSIBLE** global citizen.



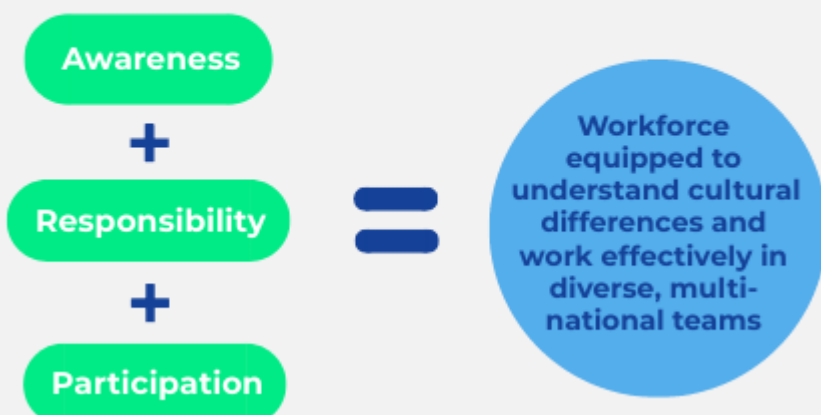
Educators face obstacles in Global Citizenship Education, such as...

- 1 CONTROVERSY**
Some individuals see GCE as a challenge to national citizenship.¹
- 2 CONFUSION**
There is no agreed upon definition in the literature.²
- 3 CONFIDENCE**
Only **28%** of teachers are very confident they could teach global citizenship. This may be due to only **19%** reporting professional development on the topic.

Percentages based on SRF 2019-2020 survey data from 47,899 students and 929 teachers.

How do we help even more students prepare for an increasingly global workplace?

The World Economic Forum has identified 3 key components of Global Citizenship essential to the 21st century workforce.³



How do students who feel prepared for global citizenship fare on these 3 key components?

On all three aspects of Global Citizenship, **students who feel prepared** have room for growth.



Percentages based on the Student Research Foundation's 2019-2020 survey data from 47,899 students and 929 teachers.

The 4Cs: Global Citizenship is Just the Start

"If today's students want to compete in this global society, they must also be proficient **communicators, creators, critical thinkers, and collaborators** (the 'Four Cs')." ⁷

The 4Cs Empower People to Add Value to...



Global Teamwork

The 4Cs help people to **communicate** across borders and **collaborate** in diverse, multicultural teams.



Non-Routine Tasks

The 4Cs allow people to bring **creativity** and **critical thinking** to tasks that cannot be automated.

The 4Cs equip students to tackle non-routine, analytic, interactive tasks that can't be automated.

Many Students Already Recognize the 4Cs are Highly Important to Their Career Success



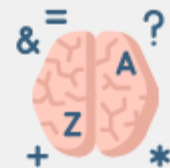
COMMUNICATION

77%



COLLABORATION

75%



CRITICAL THINKING/
PROBLEM SOLVING

74%



CREATIVITY/
INNOVATION

66%

Highly Important includes all students who rate these skills as either "Extremely Important" or "Very Important."

Global Citizenship Meets the 4Cs The Coronavirus Pandemic

1

COMMUNICATION

The U.S. has learned from the Coronavirus responses of other countries, adopting the mask-wearing practices common in South Korea.⁹

The Story: <https://bit.ly/SouthKoreaMasks>

2

CREATIVITY

Mask shortages forced people to create new solutions. 16-year-old Edward Aguilar created 3D-printed face shields and developed a software system to deliver these to hospitals in Atlanta.¹⁰

The Story: <https://bit.ly/3DPrintedPPE>

3

CRITICAL THINKING

The technology used for COVID-19 vaccine is more than 30 years old. This vaccine was built on prior research by Katalin Karikó, who began working on mRNA technology in 1989.¹¹

The Story: <https://bit.ly/VaccineTechnology>

4

COLLABORATION

Philadelphia hospitals have partnered with churches—trusted community organizations—to increase the vaccination rate among hesitant groups.¹²

The Story: <https://bit.ly/CovidCollaboration>

Sources

¹ Anatoli Rapoport (2010). "We Cannot Teach What We Don't Know: Indiana Teachers Talk about Global Citizenship Education." *Education, Citizenship and Social Justice* 5 (3): 179-190.

² Heela Goren and Miri Yemini (2017). "Global Citizenship Education Redefined – A Systematic Review of Empirical Studies on Global Citizenship Education" *International Journal of Educational Research* 82: 170-183.

³ Paul Sherman. "What's Global Citizenship?" *World Economic Forum*, October 4, 2017. https://www.weforum.org/agenda/2017/10/why-the-world-needs-more-global-citizens?source=post_page

⁴ Ron Israel. "The Rights & Responsibilities of Global Citizenship." *The Global Citizens' Initiative*, July, 2015. <https://www.theglobalcitizensinitiative.org/the-rights-and-responsibilities-of-global-citizenship/>

⁵ Hans Schattle (2021). "Global Citizenship Education as Awareness, Responsibility, and Participation." *In Conversations on Global Citizenship Education* (pp. 153-169). Routledge.

⁶ Kris Olds. "Global Citizenship - What Are We Talking About and Why Does It Matter?" *Inside Higher Ed*, March 11, 2012.

⁷ National Education Association. "Preparing 21st Century Students for a Global Society: An Educator's Guide to the 'Four Cs.'" 2010.

⁸ National Education Association. "Preparing 21st Century Students for a Global Society: An Educator's Guide to the 'Four Cs.'" 2010.

⁹ Doug J. Chung. "What South Korea Teaches the World About Fighting COVID." *Harvard Business School*, Working Knowledge, May 27, 2020.

¹⁰ Jim Ludema and Amber Johnson. "Five Teen Entrepreneurs Have Become Leading Distributors Of PPE, And May Be Changing Supply Chain Management As A Result." *Forbes*, August 14, 2020. <https://www.forbes.com/sites/amberjohnson-jimludema/2020/08/14/five-teen-entrepreneurs/?sh=534605821409>

¹¹ Julia Kollewe. "Covid vaccine technology pioneer: 'I never doubted it would work!'" *The Guardian*, November 21, 2020.

¹² Jason Laughlin. "Black Philadelphians aren't getting their fair share of COVID-19 vaccines. Faith leaders and hospitals are hearing a call to fix that." *The Philadelphia Inquirer*, February 11, 2021. <https://www.inquirer.com/health/coronavirus/covid-vaccine-african-episcopal-church-philadelphia-20210211.html>

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This infographic summarizes findings from the Career Interest Survey sponsored by the Research Consortium on Career Pathways and 21st Century Skills, and other sources as noted. The Student Research Foundation surveyed classrooms nationwide during Fall 2019. Student percentages are based on replies of the 47,899 high school students who responded to the Student Survey. Teacher percentages are based on the replies of the 929 high school teachers who responded to the Teacher Survey.

To learn more visit www.StudentResearchFoundation.org.

Research Consortium on Career Pathways & 21st Century Skills

