



Smithsonian

Science Education Center

Our Mission

The Smithsonian Science Education Center is transforming K-12 Education through Science, in collaboration with communities across the globe.

Our Work

As the only organization of the Smithsonian to focus on formal K-12 Science Education, we leverage the unparalleled network of scientists and artifacts across the Smithsonian's museums, and research centers, bringing the science of this institution to students where they are—into their classrooms and homes.

We do our work in two ways: (1) by developing and disseminating *educational resources* and (2) by offering *professional development* to science educators and leaders.

Our Priorities

INNOVATION: Promote active, inquiry-based teaching and learning in K-12 science, technology, engineering, and math (STEM) education.

INCLUSION: Ensure all students and teachers are included in STEM opportunities and recognize themselves in STEM.

SUSTAINABILITY: Advance K-12 STEM education for a more sustainable future.



Transforming K-12 Education Through Science
in collaboration with communities across the globe

K-8 Classroom Curriculum

We developed Smithsonian Science for the Classroom and STCMS, kit-based curricula for grades K-8. We designed it for students to learn life, physical, earth, and space sciences, and engineering through experiential learning. A 5-year rigorous study proved our elementary curriculum improves students' science, reading, and math achievement.

Digital Interactives

The Smithsonian Science Education Center's free digital interactives allow students to immerse themselves in scientific concepts through game play and simulations. Our rich library of games, videos, simulations, and e-books ensure all students are engaged in science that is accessible to them.



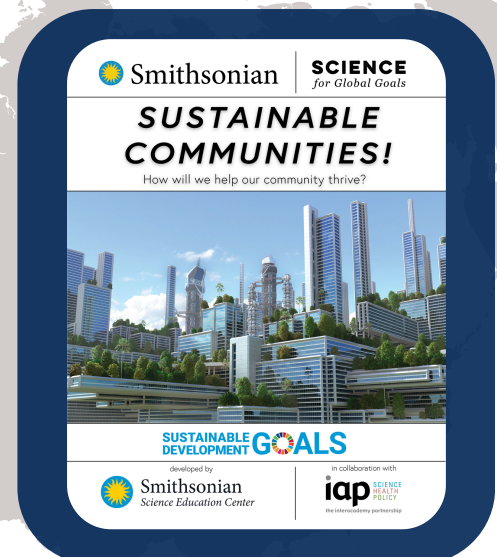
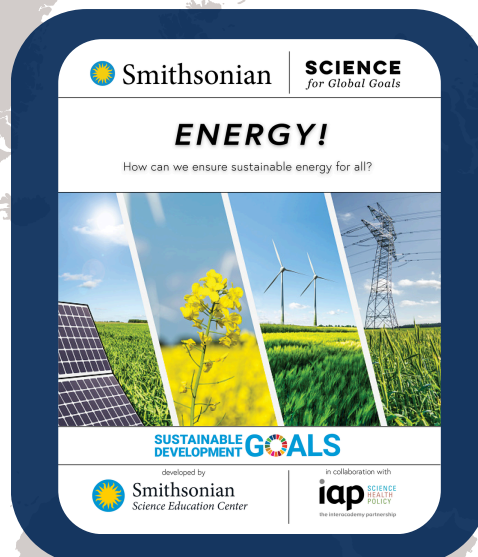
Smithsonian Science for Global Goals Project

The Smithsonian Science for Global Goals Project provides youth around the world, ages 11-18, with the knowledge and skills to understand the world's most pressing issues and to engineer solutions to sustainability within their own communities.

Through a series of freely available guides, young people use their communities as their laboratory to advance science for a more sustainable future. Young people are prompted to:

1. **Discover** what they already know and what questions they may have about the issue
2. **Understand** the issue by conducting local investigations and gathering local data
3. **Act** by making local decisions to improve their community and the world

13 guides are currently published, with three more in production. To date, through our Network for Emergent Socio-Scientific Thinking (NESST), the Smithsonian Science for Global Goals Project has reached over 50,000 educators representing 6.7 million young people across 108 countries.





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INCLUSION

The STEM Leadership Summit

"Now more than ever, students are looking for connections with people and content that reflect their interests and spark curiosity"

-Monique M. Chism
Smithsonian Under Secretary for Education



*"
The Summit empowers
us as teachers, it
invigorates our passion
and inspires us to
continue the work.
That's a lot to say for
one weekend.
"*

*Julio Mendez
High School Teacher
Summit Mentor*



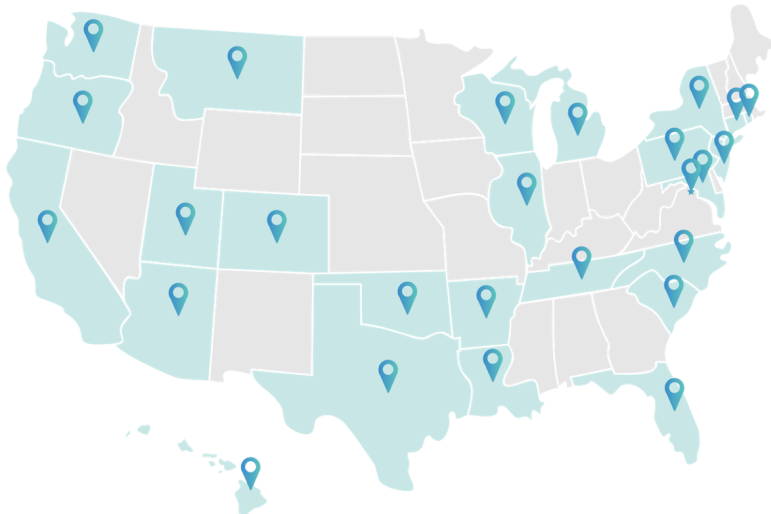
With a goal to recruit, retain, and support 30,000 new and existing STEM teachers by 2030, we gather teams of educators for a 3-day summit at a partnering university. These teams represent multiple voices within a school district, school, or state education agency: teachers, principals, district administrators, and community advocates.

Using a game format, teams go through a simulation of change management in an education system, then create bespoke action plans for how they might identify, recruit, and retain talented professionals into available STEM teaching positions. Each team identifies their own goals for building their STEM teaching workforce within their local context. Our Center matches each team with a mentor during the Summit, who supports the team in implementation for 18 months following the event.



The Smithsonian Science Education Center is building a network of people committed to building the K-12 STEM teaching workforce--**the most admirable profession of all.**

OUR IMPACT



139 Teams, 39 States

398,000 STEM educators,
22M students

84 School Districts

The Summit has generated 100+ community-specific plans including:



23

Mentorship programs



39

Professional Development programs



27

Partnerships with
higher education and
local industries

EXPAND OUR REACH

With financial support and local partnerships, Smithsonian Science Education Center will work with **3 new regional partners** to host **Regional Education Leadership Summits**. Together, we will collectively recruit and retain **30,000** new STEM teachers into the classroom by **2030**.



California



Pennsylvania



Texas

3
states

states

3 regional networks

regional networks



3x
the impact
every year

**the impact
every year**