HOW OFTEN DO STUDENTS HAVE A VOICE...

...in advocating for STEM in THEIR schools?

...in making STEM connections in THEIR communities?

...in planning the jobs of THEIR future?

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TRANSFORMING THE VOICES OF SCIENCE
CSO
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A Student-led Intervention to Increase Interest in STEM

The realization that kids need a voice in STEM - sparked a powerful idea to put students at the center of STEM advocacy, student experience, and community action.

Our goals are to:

1. **Create a pipeline of diverse STEM leaders**
2. **Increase communication and collaboration among CSOs**
3. **Enrich school STEM culture and career awareness**
4. **Increase student voice in STEM conversations in the community**

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Who is a Chief Science Officer?

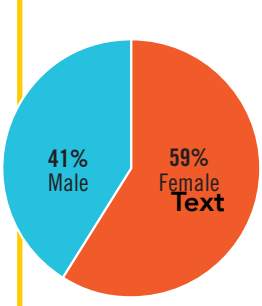
CSOs Are :

- **6th to 12th** graders
- **Elected** by their peers
- Interested in **STEM, innovation** and **leadership**
- Passionate to impact their **school & community**

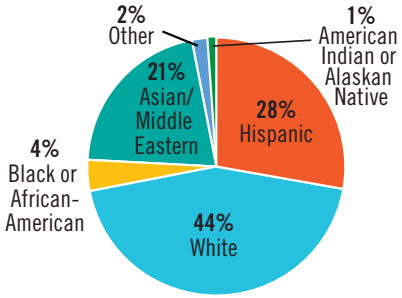
Active CSOs:

- Participate in the annual **CSO Leadership Training Institute**
- Attend at least **two CSO cabinet meetings**
- Complete a **STEM action plan** for their school or community
- Regularly connect online with the **international community of CSOs**
- Serve as the **STEM ambassador** for their school and community
- Interact with some of the **300+ STEM mentors**

The class of 2018-2019 is a **global community of ~700 CSOs** representing **150,000+ students at 300+ schools.**



GENDER



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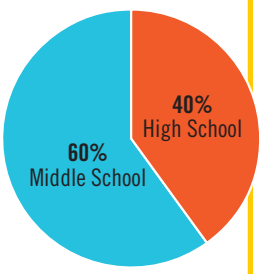
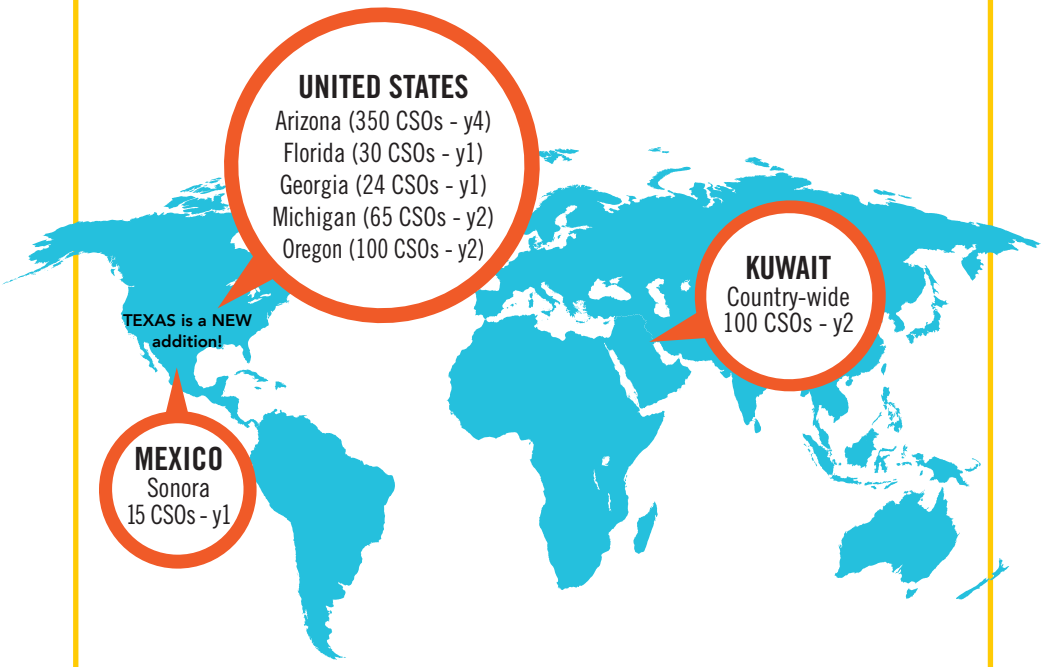


SCHOOL LEVEL



KEY: **y (years in operation)**

Chief Science Officers is a collaborative initiative of the Arizona Commerce Authority and the Arizona Technology Council Foundation.

CSOs in Action

During the 2017-18 season, CSOs directly impacted over **45,000** students and community members through their action plans.

170+ School-Based Actions

SCHOOL DAY
- Student led presentations
- Guest speakers
- Lunchtime STEM interactions
- STEM on announcements

PRIMARY OUTREACH
- STEM lessons to K-5
- Projects connecting primary schools

STEM EXPOS
- STEM festivals
- Career fairs
- STEM assemblies

FIELD TRIPS
- Factory tours
- Laboratory visits

STEM CLUBS
- Teen Science cafés
- Robotics
- Maker
- Sustainability

SCHOOL RESOURCES
- Maker space
- Greenhouse
- Science closet
- STEM videos

70+ Community-Based Actions

- Community STEM experiences
- STEM table at a community festivals
- Community or corporate meeting presentations
- Conference moderator, speaker, panelist, networking attendee

50+ Media Stories

- Television
- Magazine articles
- 500+ CSO authored blogs
- Thousands of social media posts

Evaluation Highlights

95% of CSOs expressed increased interest in a STEM career.

87% of CSOs self-reported progress in inspiring their peers with STEM.

72% of adults intend to share the program with their associates after meeting a CSO.

90% of CSOs expressed increased connection with the STEM community.

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