

About CEF

CEF has been empowering young minds from diverse backgrounds for the past 35 years. As an educational nonprofit driven by industry support, CEF is committed to engaging students early in their academic studies and igniting a passion for STEM learning that continues through high school, skilled trades, college, and into the workforce.

Our FREE resources engage educators in continued learning that builds their confidence in delivering STEM embedded science instruction. The components of our programming and resources are stand-alone but can be unified and tailored to educator needs.

CEF's impact goes beyond classrooms; fostering learning, interest, and skill development in academic and real-world settings.

Volunteer Opportunities

CEF's programs thrive due to volunteer support. Volunteers can engage virtually or in person. To get involved, contact challenge@chemed.org. Opportunities include hosting or volunteering at a Regional Challenge, evaluating videos, presenting on industry innovation, or sponsoring our Challenge.



CEF PRESENTS THE

CHALLENGE PROGRAM



» Want to Take On the Challenge? »

REGISTRATION
OPENS IN OCTOBER!

» BUILDING THE FUTURE OF STEM »

You Be The REASON!

“I feel that our jobs as educators and professionals is not only to teach kids about science and math but first and foremost, we need to get them interested [in STEM].” – CHALLENGE ORGANIZER



Get In Touch
challenge@chemed.org



Stay Connected
Scan the QR code to join our mailing list and be the first to get information about the Challenge.



Learn More
chemed.org

Follow Us On Our Socials

f i = @youbethechemist | X = @chem_ed | in = @chemed

GRADES
5-8

As an educator, you know the power of seizing opportunities at the right moment to transform a student's future. CEF's Challenge program offers such an opportunity. However, that journey would be incomplete without a passionate and dedicated educator like you!

You Be The DIFFERENCE!

TEAMS OF
3-4
STUDENTS

CEF | Building the Future
STEM Workforce

www.chemed.org

» FREE & FUN Collaborative STEM Challenge »

You Be The INSPIRATION

CEF's Challenge Program was designed for educators like you by our expert team with 45+ years of combined classroom experience. The Challenge is free, easy to implement, multi-disciplinary, and most importantly, fun and appealing for students! CEF has successfully engaged half a million students over the last 20 years and ignited the passion for STEM. Our goal is to empower students to continue STEM through high school, skilled trades, college, and into the workforce.

Join us on the journey of building the future of STEM!

85%

Discovered
New STEM
Career Paths

92%

Increased
Their Interest
in STEM

You Be The MENTOR

- Teams of 3-4 students answer timed questions at a Regional Challenge
- Teams simultaneously create videos in which they address an innovative solution to a community-based challenge
- Regional Challenge and video scores are combined to determine State Winners
- Top 5 state winning teams advance to the National Challenge, present their innovative solution to an expert panel of judges, and compete for scholarships!

EDUCATORS
(can be parent led)
Team Coordinators
mentor the students
and manage team
logistics

*Who is
involved*

PARTICIPANTS
Student Teams
collaborate
on Regional
and Video
Challenge
preparation

VOLUNTEERS
Challenge Organizers
host and manage
local area Challenges
Video Evaluators
review and score
team video
submissions



GETTING STARTED

- Engage students** for a fun and exciting STEM Challenge **at the start of the school year.**
There is no limit to the number of teams, and you don't have to know team composition at this stage.
- Access** our free study materials and instant instructional support as registration opens in **October.** *Students can start gearing up and preparing for the Challenge right away.*
- Finalize your teams** and submit your team composition to CEF in **January.**

NEXT STEPS

- Participate in your local or virtual **Regional Challenge** from **mid-January through mid-March.**
- Submit completed **team videos** by the **end of March.**
- State winners and National Finalists** will be announced in **early May.**

FINISH LINE

- Receive **feedback** on team's performance including answers to questions, percentile ranking, & video feedback in **May.**
- Finalists **compete for scholarships** at the National Challenge at the **beginning of June.**

“
My experience
participating on the national stage
has made me more courageous.
When my classmates ask why
I am not nervous when I present
in front of them, I say I have been
to the Challenge!
— PREVIOUS PARTICIPANT

