



THE FUTURE WORKFORCE

SOLVING PROBLEMS FOR
A SUSTAINABLE TOMORROW

2022 ANNUAL REPORT

OUR MISSION

To build the excitement and value of chemistry and STEM careers by empowering educators to engage K-8 students in accessible, hands-on science experiences.



2022 was an exciting year for CEF with students from across the country participating in the *You Be The Chemist* Challenge and the right to compete — **in person for the first time in two years** — at the National Challenge held in Houston, TX. Congratulations to the 9,000 students, five National Finalist teams, and the National Challenge Champion team, the Chemistry Enthusiasts!

CEF has focused on building the future workforce for more than 30 years with our programs evolving to mirror today's society. Working collaboratively to explore sustainability questions and community solutions, CEF's students are better prepared to succeed in high school, skilled trades, college, and as your future employees.

This is exactly what CEF does every day — and why your support — is so critical. To our volunteers who give countless hours of their time, parents and teachers who instill STEM confidence, and all of those who generously support CEF, we say thank you!

I am proud of all we have accomplished and look forward to continuing our work to inspire students, strengthen communities, and build the future workforce.

Terry Hill
President of the CEF Board of Trustees
CEO of Barentz North America, LLC

www.chemed.org



INVEST & EMPLOY

Our mission in practice!
Former Challenge participants share their experiences:

"THROUGHOUT MY LIFE I'VE BEEN INTERESTED IN BOTH SCIENCE AND ART, AND THE CHALLENGE HAS MADE ME WANT TO FIGURE OUT HOW TO COMBINE THEM... THIS COMPETITION HAS LEFT **SO MANY DOORS OPEN**; I'M EXCITED TO SEE WHAT HAPPENS NEXT."

— Ravine C., 2021

"PARTICIPATING IN THE YOU BE THE CHEMIST CHALLENGE REALLY AFFECTED MY **CAREER TRAJECTORY**. THE LOVE OF CHEMISTRY I GOT DIRECTED ME TO ... BE A CHEMICAL ENGINEER FOR MY CAREER."

— Aiden B., 2006, pictured on cover

"THE CHALLENGE **IGNITED MY PASSION** FOR CHEMISTRY EVER SINCE THEN CHEMISTRY HAS BEEN MY FAVORITE SUBJECT; IT'S THE ONLY THING I'VE WANTED TO DO. WHICH IS WHY I [EARNED] MY BACHELORS IN BIOCHEMISTRY."

— Logan F., 2014



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YOU BE THE CHEMIST 155,000

STUDENTS REACHED THROUGH CEF PROGRAMS AND RESOURCES



students from economically
disadvantaged schools



students identified
as female



students identified as
historically underserved

**YOU
BE THE
CHEMIST**



THE CHALLENGE

9,000 | 300

STUDENTS PARTICIPATED

SCHOOLS PARTICIPATED

In CEF's science competition, the *You Be The Chemist Challenge*®, students in grades 5-8 collaborate to explore chemistry concepts and their real-world applications to solve problems for a sustainable tomorrow. Students compete to win scholarships for college, skilled trades, or career certifications.

COMMUNITY PARTNERSHIPS

7,200

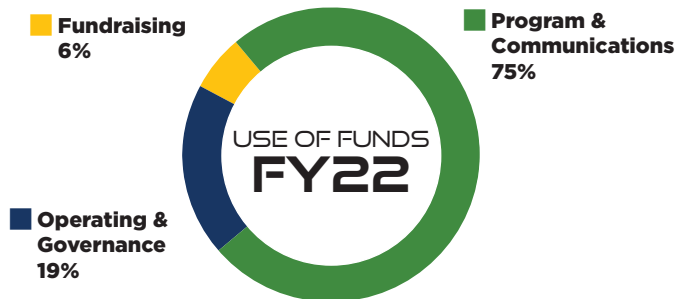
STUDENTS IMPACTED

Connecting students & educators with employers! Community Partnerships create strong, sustainable relationships between schools and industry partners, providing the funding and resources schools need to offer *You Be The Chemist* programming in their classrooms.



FINANCIALS

For a full list of donors, visit www.chemed.org/donors



CEF is a not-for-profit 501(c)(3) charitable entity. Our financial position remained strong in 2022 thanks to a network of committed donors and sponsors. Thank you to our contributors.



TEACHER RESOURCES

4,500

TEACHERS IMPACTED

Thanks to the generosity of our donors, the *You Be The Chemist* programs, classroom resources, and teacher professional development workshops were offered for FREE to parents and teachers through the CEF website and Discovery Education.

CEF supports K-8 learning by covering a range of subjects across chemistry, biology, physics, and more!

- Properties of Matter
- Chemical Reactions
- Energy
- Forces & Interactions
- Life & Earth Sciences