SCIENCE OLYMPIAD

Since 1984 40 YEARS

Exploring the World of Science

BE:

THE FUTURE
MOTIVATIONAL
PROUD
INVESTED
INVOLVED

SCIENCE OLYMPIAD

BE: PART OF IT

SEE WHERE IT TAKES

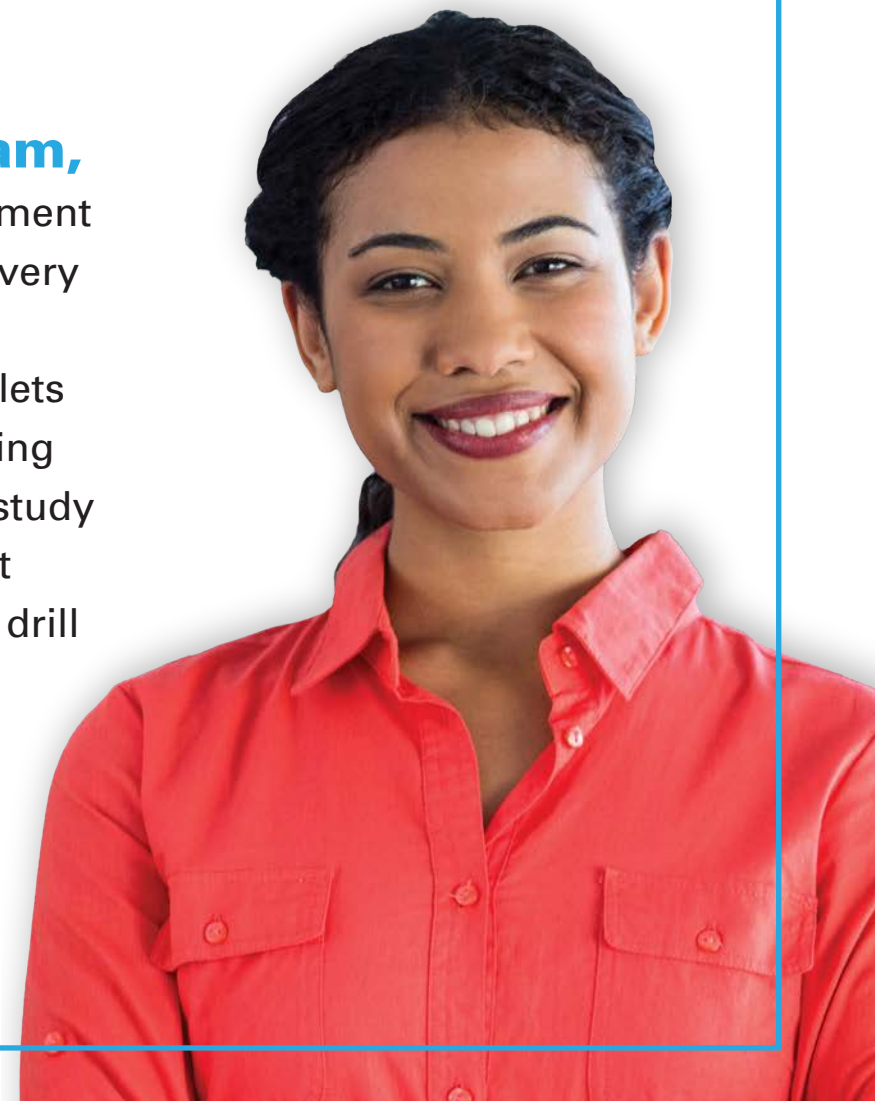
YOU

www.soinc.org

BE: A COACH

MOTIVATIONAL

When you coach a Science Olympiad team, your love of learning and excitement for science gets reflected back every day, at every practice and every competition. Science Olympiad lets students flex independent learning skills as they build devices and study for events; your job is part talent scout, part cheerleader and part drill instructor. As the season progresses, **you'll rediscover the reason you became a teacher.**



Science Olympiad events align with Next Generation Science Standards, allowing you to extend your school's science curriculum with engaged learners in an after-school setting. Check out the list of events we've got lined up for the 2024 season; there's something for everyone!

SCIENCE OLYMPIAD
BE: PART OF IT

WANT TO BE PART OF IT?

Scan to hear from the Oak Park River Forest Science Olympiad team about what it's like to compete at the Illinois Science Olympiad State Tournament.

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2024 EVENTS BY DIVISION

DIVISION B
GRADES 6-9

Life, Personal & Social Science
Anatomy and Physiology
(Cardiovascular, Lymphatic, Excretory)
Disease Detectives
Ecology
(Tundra, Taiga and Deciduous Forests)
Forestry
Microbe Mission

Earth & Space Science
Dynamic Planet
(Earthquakes/Volcanoes/Plate Tectonics)
Fossils
Meteorology
(Severe Storms)
Road Scholar
Reach for the Stars

Physical Science & Chemistry
Physics
Air Trajectory
Optics
Wind Power
Chemistry
Can't Judge a Powder
Crime Busters

Technology & Engineering
Flight
Roller Coaster
Tower
Wheeled Vehicle

Inquiry & Nature of Science
Codebusters
Experimental Design
Fast Facts
Write It, Do It

TRIAL EVENTS
Aerial Scramble,
Agricultural Science, Botany,
Digital Structures,
Engineering CAD
Home Horticulture,
Mission Possible, Solar Power

DIVISION C
GRADES 9-12

Life, Personal & Social Science
Anatomy and Physiology
(Cardiovascular, Lymphatic, Excretory)
Disease Detectives
Ecology
(Tundra, Taiga and Deciduous Forests)
Forestry
Microbe Mission

Earth & Space Science
Astronomy
Dynamic Planet
(Earthquakes/Volcanoes/Plate Tectonics)
Fossils
Geologic Mapping

Physical Science & Chemistry
Physics
Air Trajectory
Objects
Wind Power
Chemistry
Chem Lab
Detector Building
Forensics

Technology & Engineering
Flight
Robot Tour
Scrambler
Tower

Inquiry & Nature of Science
Codebusters
Experimental Design
Fermi Questions
Write It, Do It

TRIAL EVENTS
Aerial Scramble,
Agricultural Science, Botany,
Cybersecurity, Digital Structures,
Engineering CAD
Home Horticulture,
Mission Possible, Solar Power

"I've never been so excited and felt more fulfilled in my career than when I'm coaching Science Olympiad. I've even begun incorporating some events into my STEM fundamentals class to inspire interest in my younger students."

VICTORIA PIRULLI
Science Olympiad Coach
FOREST HILLS HIGH SCHOOL
QUEENS, NY
2023 Science Olympiad Coaching Excellence Award Winner

Science Olympiad: The Basics

DIVISION B (Grades 6-9) | **DIVISION C** (Grades 9-12)

6K Teams in 2023

15 Members on a Team

425 Invitational, Regional, State and National Tournaments

23 Events in Each Division

50 State Organizations

Science Olympiad Headquarters
Two Trans Am Plaza Dr., Suite 310
Oakbrook Terrace, IL 60181

T: 630.792.1251
www.soinc.org

BE: A SCIENTIST
THE FUTURE

That one thing.

That's what all the guidance counselors and campus tour guides tell students to find. That one thing. A place where you feel like you can be yourself, exercise your unique talents, and find friends who excel in science. **That's Science Olympiad.**

If you want to be an engineer, a chemist, a biology teacher, an astronaut, an astrophysicist, a math professor, or hey, how about all of the above, Science Olympiad lets you try it on for size. We've got 23 events touching every letter in STEM to allow you to explore any pathway. **Science Olympiad helps you find your what, your how, and maybe most importantly, your why.**

SCIENCE OLYMPIAD
BE: PART OF IT

WANT TO BE PART OF IT?

Do you have what it takes to get a $10,000 Science Olympiad Founders' Scholarship? Scan the QR code to find out about past and upcoming scholarship opportunities!

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TOURNAMENTS

Science Olympiad tournaments are a blast, usually held on a college or community college campus, comprised of a full day of teams hustling from home base to labs, gyms and classrooms in pairs and threes to compete in events that test learning, lab and building skills on the spot. Picture a track meet, but for science. The payoff? An awards ceremony in a huge auditorium or stadium, with crowds cheering while you're showered with medals, trophies, scholarships and accolades for your brilliance. Not bad for the college app either.

GIVING BACK

Science Olympiad participants also give back by starting mentoring programs for younger kids, raising funds for food pantries and 3D printing PPE during the pandemic. **Science Olympiad isn't just a club, it's a community.**

It's Smart to be Good! Each year, Science Olympiad encourages its community to raise funds for a nonprofit in conjunction with the National Tournament. **In 2022, we raised more than $47,000 for STEAM:CODERS in Los Angeles.**

"I aspire to continue to work for every student, regardless of their background, to find their love for science just as I had. In college, I promise to continue bridging the inequality gap in STEM."

NOSAKHARE IYOHA
$10,000 Science Olympiad Founders' Scholarship Winner
SPRING EARLY COLLEGE ACADEMY
SPRING, TEXAS

After STEM funding was cut during the pandemic, Nosakhare secured new resources for K-12 Science Olympiad programs in his district.

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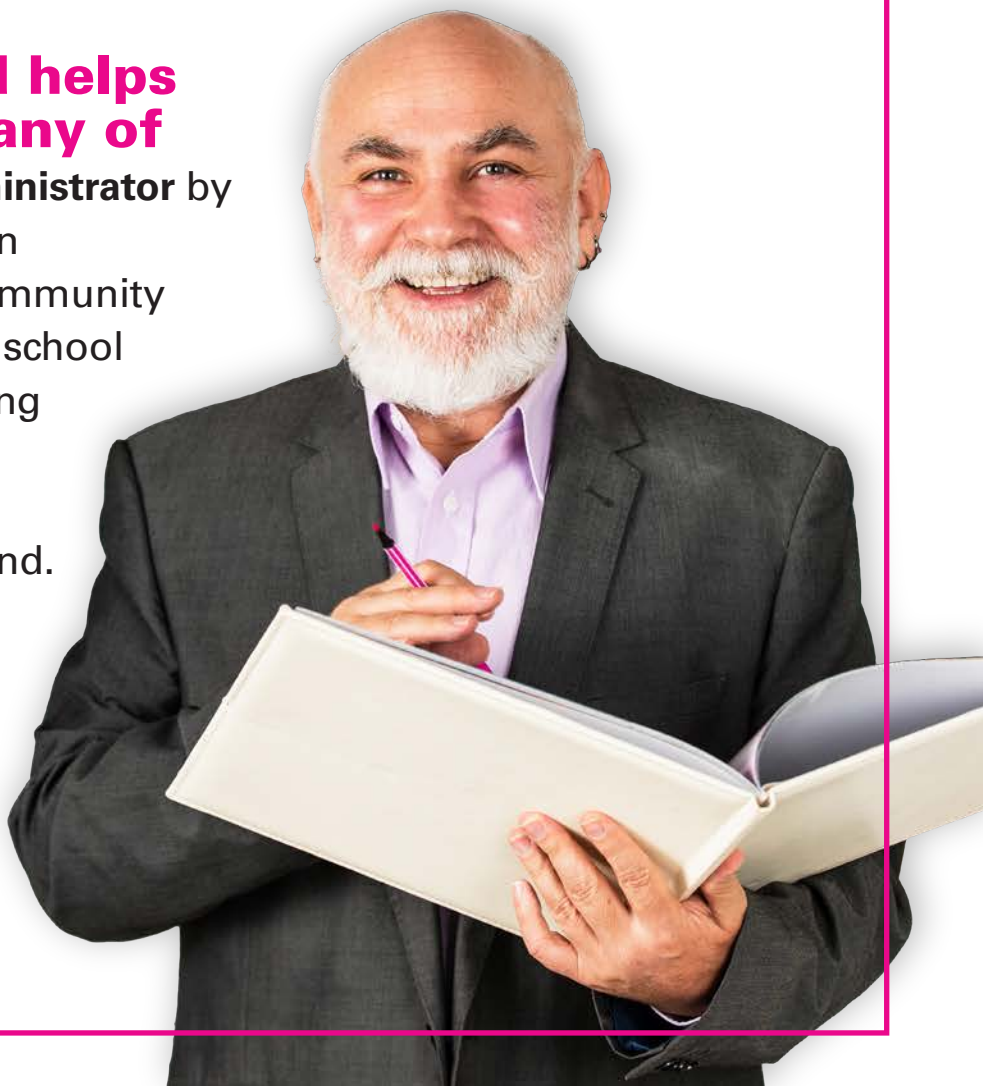
BE: A CHAMPION

PROUD

Science Olympiad helps you to achieve many of your goals as an **administrator** by enhancing STEM education programming, building community buy-in and recognition for school achievements, and engaging students with hands-on experiences that prepare them for college and beyond. Students specialize in subjects of their choice, from bio to chem to tech and engineering, while teachers get to work with kids who've raised their hand and said YES to science.



Each fall, Science Olympiad releases new rules for 23 STEM-related competitive events. Students pair up and tackle the building devices for on-site testing, studying for core knowledge challenges, and preparing for rigorous hands-on lab experiments. School teams register annually through their state Science Olympiad chapter, for a great value compared to other top STEM programs.

SCIENCE OLYMPIAD

BE: PART OF IT

WANT TO BE PART OF IT?

At Science Olympiad, students get a taste of what it's like to BE part of the future STEM workforce. Check out this amazing STEM Expo from Wisconsin Science Olympiad!

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“Science Olympiad catalyzes parental and community involvement, unifying everyone to create not only senses of belonging and pride, but a sense of family. Students bridge the gap between the school and community through fundraising, social media promotion, and science competitions, and these events afford students both national and global opportunities for individual, team, and school recognition.”

ALISHER KUVATOV, M. ED.
School Principal
RIVER CITY SCIENCE ACADEMY
JACKSONVILLE, FLORIDA

SCIENCE OLYMPIAD: The Value

Science Olympiad Registration

$100-$350

Cost of a typical Science Olympiad team registration, entire year all the way to nationals

Other STEM Competition Fees

$750

Cost of a Regeneron Science and Engineering Fair Entry for 1-3 entries

$6,000

Cost of FIRST Robotics Team Fee and Mandatory Kit for 10 students at 1 regional

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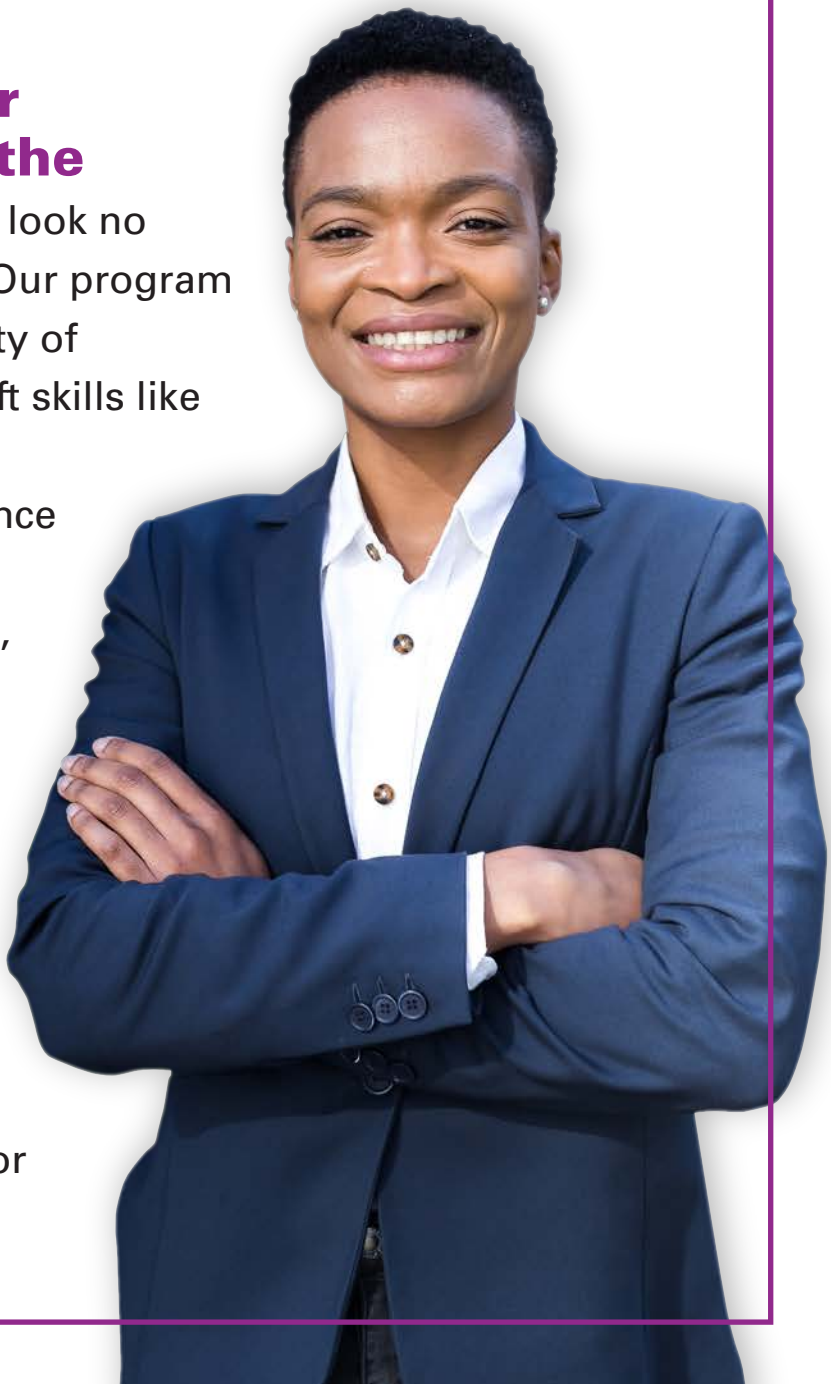
BE: A HOST

INVESTED

If you're searching for effective ways to fill the STEM talent pipeline, look no further than Science Olympiad. Our program allows students to try on a variety of sciences for size and develop soft skills like teamwork, collaboration and problem solving. Hosting a Science Olympiad tournament brings hundreds of students to campus, where they interact with faculty, experience your facilities and consider a future STEM pathway with your logo on their t-shirt! Students regularly say that the experience of visiting a campus for a Science Olympiad tournament was the deciding event in choosing a 2- or 4-year college.



SCIENCE OLYMPIAD
BE: PART OF IT

WANT TO BE PART OF IT?

Campuses know that recruiting the best STEM students is vital to the STEM workforce. Watch how Science Olympiad brings a curated group to Colorado State University in Pueblo!

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SCIENCE OLYMPIAD ALUMNI NETWORK

Science Olympiad doesn't stop in senior year of high school. There are now 51 Science Olympiad College Alumni Chapters on top campuses across the US, like Caltech, Stanford, Cornell, Michigan, Texas A&M, University of Chicago, Harvard, Princeton and Yale. Undergrads and graduate students founded these clubs to host tournaments, perform community service and provide opportunities to showcase each campus' faculty and facilities.

"Participating in Science Olympiad gave me the opportunity to visit many universities during competitions. I learned more about what each university had to offer and got to experience what going there might be like. This helped me a lot in deciding where I wanted to apply and ultimately choosing where I wanted to go."

FELIANNE TENG
Science Olympiad alum
Felianne is studying computer science at Caltech

2024 SCIENCE OLYMPIAD NATIONAL TOURNAMENT HOST, MICHIGAN STATE UNIVERSITY

MAY 24-25, 2024

MICHIGAN STATE UNIVERSITY

"Science Olympiad is so important because it makes STEM fun. Students get out of the classroom and really put what they are learning and their knowledge into practice. CSU Pueblo makes Science Olympiad happen - we ARE Science Olympiad! We have faculty and more than 100 students volunteering on Science Olympiad tournament day; it's the biggest volunteer opportunity on campus! Students (on Science Olympiad teams) fall in love with the campus and they'll be able to continue here as STEM majors."

ABBY DAVIDSON
Regional Tournament Director
COLORADO STATE UNIVERSITY
PUEBLO, COLORADO

CSU PUEBLO

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BE: A MENTOR

INVOLVED

Science Olympiad depends on an army of dedicated educators, parents, alumni, administrators and corporate mentors who write content, run tournaments, offer professional development and generally make Science Olympiad work. With your help, Science Olympiad is building the next generation of science students and professionals. Here's how to get involved:

Mentoring

While each team has a faculty head coach, many teams rely on local high school students, alumni, parents or community members to assist with preparing for events. Volunteers may help with team practice sessions, build or lab event preparation, or simply provide snacks and encouragement. Many corporations have dedicated Employee Mentoring programs which allow workers time off to participate in programs like Science Olympiad.

SCIENCE OLYMPIAD BE: PART OF IT

WANT TO BE PART OF IT?

Want to see more representation in STEM? Roll up your sleeves and get involved, and you could make a difference in a kids' life. Watch how these young girls in North Dakota get into Science Olympiad!

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Tournament Volunteers

Science Olympiad tournaments are labor-intensive affairs full of fun and excitement - they are usually held on a Saturday and require between 100-300 volunteers to run the 46 events, register and check in teams, run the scoring room, hand out medals, arrange lunch and oversee all the little details. Contact your Science Olympiad State Director if you want to assist.

Event Supervisors

Event Supervisors are STEM professionals and subject matter experts who make tournaments fun and competitive for students. Using the Rules Manuals as guidelines, Event Supervisors create tests or hands-on challenges and are in charge of scoring. If you're a faculty member of the host site, this is a great way for students to get to know college professors and start to see themselves as future STEM majors. If you're an industry partner, this is valuable exposure for kids into the STEM workforce (and maybe your company someday!).

"Science Olympiad gives me a chance to get the next generation excited about career options in STEM. These kids want to be there and want to learn. When I get to teach them how to design and build things and then how to troubleshoot them, they drink it up like sponges. I've been fortunate to learn from a lot of people in my career. And this gives me a chance to pass it along to younger people who may choose to go into engineering or another science field."

BILL DALZOTTO
Engineer
Senior Division Manager, ArcelorMittal

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BE A SPONSOR

VESTED

For the 2023-2024 tournament year, **Science Olympiad is privileged to have sponsors who are true partners in our mission.** Each of the corporations, associations and groups listed below have a vested interest in improving the quality of K-12 STEM education.

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Michigan State University · Wichita State University · NASA · avantor™

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BRONZE SPONSORS

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STRATEGIC PARTNERS

Code.org In Partnership with Code.org · JST Japan Science and Technology Agency · MHUB · Midnight Science Club · MWM Million Women Mentors · MxD The Digital Manufacturing Institute · STEM connector powered by pod · USDA Forest Service

MEMBERSHIP

For a complete listing of events, state websites and tournament information, or to learn more about becoming a registered member team, please visit our website **soinc.org**.

UPCOMING NATIONAL TOURNAMENT

May 24-25, 2024 Michigan State University

2024 DIGITAL ONLINE STORE + RULES!

Please visit **store.soinc.org** to order digital DVDs, Test Packets, Starter Packs and Stacks and other educational materials you can use to prepare for Science Olympiad tournaments and classroom instruction. Digital PDF Rules Manuals for both Division B and C are free downloads at **www.soinc.org**.

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BEST AMERICA — America's Best Charities

Approved for Listing NASSP 2022-2023 Student Contests, Programs & Activities

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