

SCIENCE
OLYMPIAD

BE:
**PART
OF IT**

B

E

**THE FUTURE
MOTIVATIONAL
PROUD
INVESTED
INVOLVED**

SEE WHERE IT TAKES

YOU

www.soinc.org



Exploring the World of Science

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.**

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WANT TO BE PART OF IT?

Click to hear Science Olympiad Spirit Award winners from Cumberland Valley High School in Pennsylvania explain how it feels to be on a Science Olympiad team.



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.**



Science Olympiad team members Jacqueline and Jordan Prawira deliver their 3D printed face shields to medical workers during the pandemic.



“

Through Science Olympiad I developed an incredible love for science and discovery. This helped me to decide that I would like to teach chemistry at the high school level, and coach my own Science Olympiad team one day.

”

GARRET SHOEMAKER

\$10,000 Science Olympiad Founders' Scholarship Winner

EUDORA HIGH SCHOOL
LINWOOD, KANSAS

Garret volunteers with local elementary science clubs and leads science summer camps



Exploring the World of Science

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

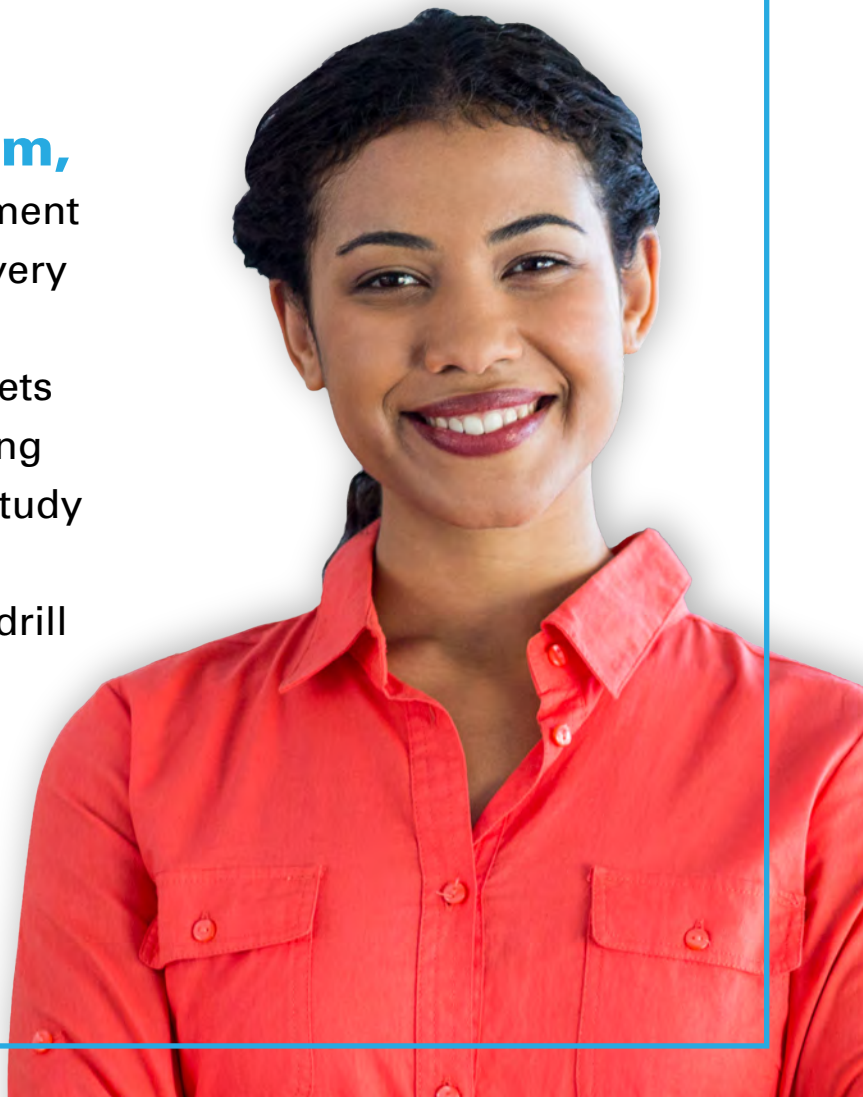
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BE: A COACH

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 2023 season; there's something for everyone!



WANT TO BE PART OF IT?

Click this QR Code for information on how to start a team or to find out more about special programs like MYSO and Elementary Science Olympiad.



2023 EVENTS BY DIVISION

DIVISION B GRADES 6-9



Life, Personal & Social Science
Anatomy and Physiology
Bio Process Lab
Disease Detectives
Forestry
Green Generation



Earth & Space Science
Dynamic Planet
Meteorology
Road Scholar
Rocks and Minerals
Solar System



Physical Science & Chemistry
Can't Judge a Powder
Crave The Wave
Crime Busters
Sounds of Music
Storm the Castle



Technology & Engineering
Bridge
Flight
Roller Coaster
Wheeled Vehicle



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

DIVISION C GRADES 9-12

Life, Personal & Social Science
Anatomy and Physiology
Cell Biology
Disease Detectives
Forestry
Green Generation

Earth & Space Science
Astronomy
Dynamic Planet
Remote Sensing
Rocks and Minerals

Physical Science & Chemistry
Chem Lab
Environmental Chemistry
Forensics
It's About Time
Trajectory
Wifi Lab

Technology & Engineering
Bridge
Detector Building
Flight
Scrambler

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



“

Science Olympiad has changed the lives of my students. Through this program, I have seen my students grow in confidence and challenge themselves through academic risks. We are a small rural community, but our kids are bright and love to learn. We don't have engineering classes, coding, or AP math, but we do have brilliant young minds that dream of STEM careers. This past year, watching my students ask deep questions, try, fail, and then try again inspired me daily to keep pushing through the tired. None of my students had ever heard of Science Olympiad before this fall and through their hard extracurricular work, my amazing kiddos were three points short of second place at their regional competition and earned a spot in the Georgia state competition held at Georgia Institute of Technology.


”

DANIELLE HIBBS
Science Olympiad Coach
SOUTHEAST BULLOCK HIGH SCHOOL
BROOKLET, GEORGIA
**2022 Science Olympiad Coaching
Excellence Award Winner**

Science Olympiad: The Basics

DIVISION B
(Grades 6-9)

DIVISION C
(Grades 9-12)

5.5K 
Teams in 2022

15 
Members on a Team

425 Invitational, Regional,
State and National
Tournaments

23 Events in
Each Division

50 
State Organizations



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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.

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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

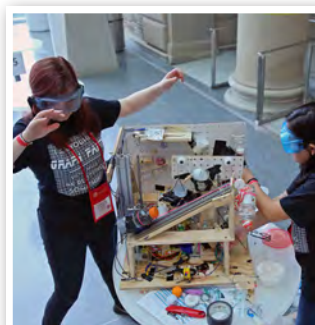
Other STEM Competition Fees

\$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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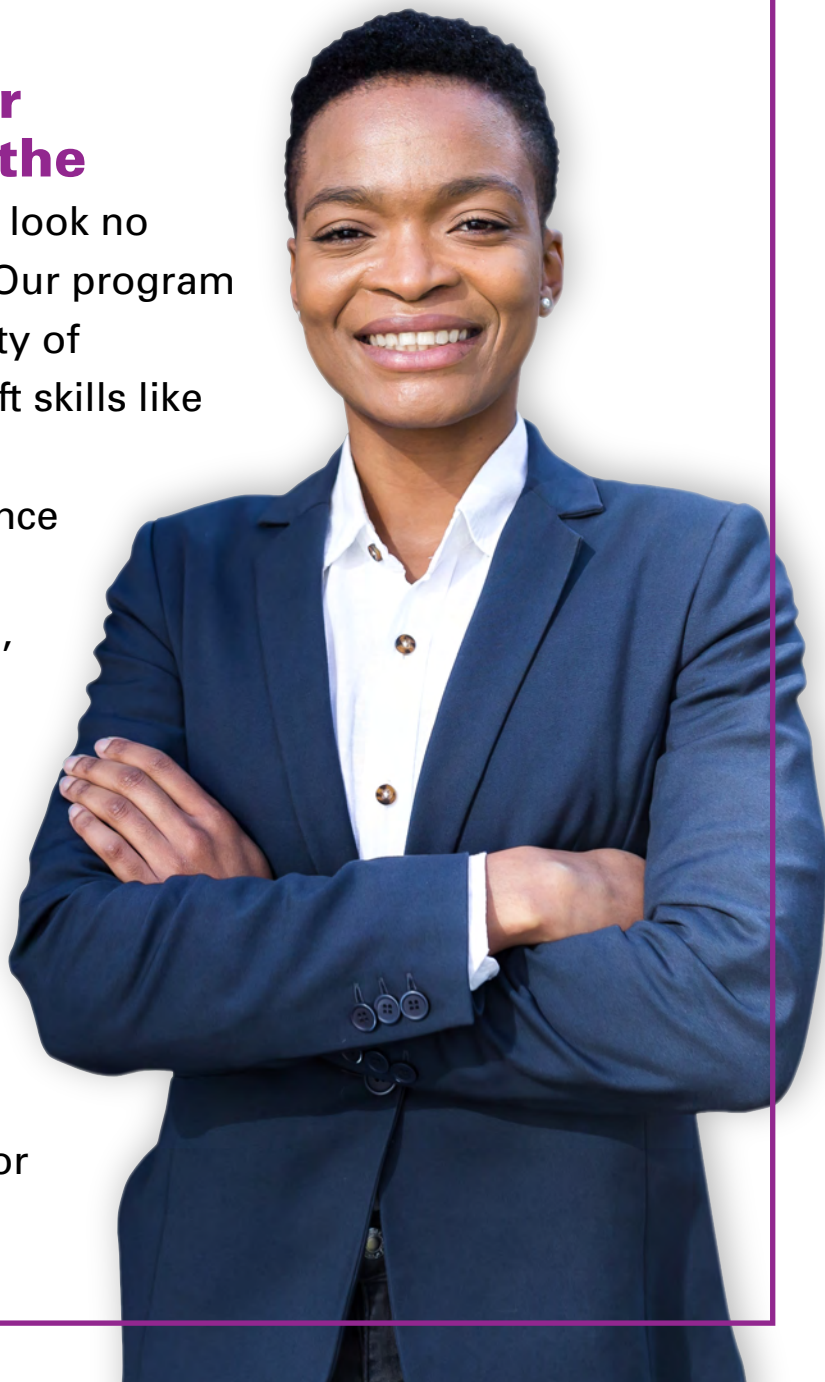
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BE: A HOST

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.



WANT TO BE PART OF IT?

Click this QR code to be connected to your state's Science Olympiad State Chapter, where you'll find news and information about state leadership, tournaments and events.



SCIENCE OLYMPIAD ALUMNI NETWORK

Science Olympiad doesn't stop in senior year of high school. There are now 42 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

2023 SCIENCE OLYMPIAD NATIONAL TOURNAMENT HOST, WICHITA STATE UNIVERSITY



MAY 19-20, 2023



WICHITA STATE
UNIVERSITY



“

Science Olympiad is an exciting event because it brings faculty together from many different colleges. We had 40 faculty members from the School of Education and Counseling, College of Engineering and Sciences, Physics and Chemistry, and the Chair of Electrical Engineering running events. This is a great opportunity for middle and high school students in the area to interact on a one-on-one basis with our faculty and a way to showcase new buildings and science facilities like our PNW Design Studio and hands-on nursing labs. During a Science Olympiad tournament, students have the opportunity to see all that Purdue has to offer.

”

DR. VANESSA QUINN
Professor of Biology
PURDUE UNIVERSITY NW
HAMMOND, INDIANA



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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.



WANT TO BE PART OF IT?

Click the QR code to find out more about volunteer guidelines and complete the quick Volunteer Training Module.



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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VESTED

For the 2022-2023 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.

PLATINUM SPONSORS



GOLD SPONSORS



SILVER SPONSORS



BRONZE SPONSORS



STRATEGIC PARTNERS



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 19-20, 2023



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2023 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**.

