

Start a Team



Just like an athletic team, **Science Olympiad clubs are coached by teachers, improved by mentors and filled with top talent.**

Each fall, Science Olympiad releases new rules and teams tackle the 23 STEM-aligned events in pairs, 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 at www.soinc.org/join/state-websites



Science Olympiad: The Basics

DIVISION B
(Grades 6-9)

DIVISION C
(Grades 9-12)

8K
Teams in 2018

15
Members on a Team

450 Invitational, Regional, State and National Tournaments

23 Events in Each Division

50 State Organizations



Exploring the World of Science

Girls in STEM



"I believe Science Olympiad is the **best cross-gender team-based STEM outreach program in the nation.** In practices and competitions, I see young girls develop courage and independence, realizing the power they have to solve problems and support their team equal to or better than their peers."

Enrica Quartini
National Event Supervisor
University of Texas Institute for Geophysics Researcher

Girls in STEM: By the Numbers

While women represent only 1 of every 4 STEM jobs, girls represent

50%

of Science Olympiad participants



On average

40%

of Science Olympiad National Tournament medalists are girls

WOMEN HOLD MORE THAN HALF of Science Olympiad's staff, board, advisory committee, state director and rules committee leadership positions



"You have all heard the statistics, that women are under-represented in STEM, especially in industries like engineering, with even fewer minority women pursuing STEM careers. But ever since Science Olympiad was founded, **we've been inspiring women to shatter the glass ceiling of STEM,** and to overturn those negative statistics."

Dr. Gerard Putz
Science Olympiad President and Co-Founder



Exploring the World of Science

2019 Events



"I have been in public health for more than 40 years. Being involved with the Science Olympiad Disease Detectives event since its beginning is one of the high points of my career as I knew it would make a difference in lives."

Dr. Ralph Cordell

Epidemiologist, Centers for Disease Control

"Protein Modeling made me fall in love with the structure-function relationship of proteins. I now study biochemistry because of this."

Maiya Yu

University of Michigan Student

Science Olympiad events touch every letter in STEM and align with Next Generation Science Standards, allowing teachers to extend their science curriculum with engaged learners in an after-school setting.

2019 DIVISION B

GRADES 6-9



Life, Personal & Social Science

Anatomy & Physiology
Disease Detectives
Heredity
Herpetology
Water Quality



Earth & Space Science

Dynamic Planet
Fossils
Meteorology
Road Scholar
Solar System



Physical Science & Chemistry

Circuit Lab
Density Lab
Thermodynamics
Crime Busters
Potions and Poisons



Technology & Engineering

Battery Buggy
Boomilever
Elastic Launched Gliders
Roller Coaster



Inquiry & Nature of Science

Experimental Design
Game On
Mystery Architecture
Write It Do It

2019 DIVISION C

GRADES 9-12

Life, Personal & Social Science

Anatomy & Physiology
Designer Genes
Disease Detectives
Herpetology
Water Quality

Earth & Space Science

Astronomy
Dynamic Planet
Fossils
GeoLogic Mapping

Physical Science & Chemistry

Circuit Lab
Sounds of Music
Thermodynamics
Chem Lab
Forensics
Protein Modeling

Technology & Engineering

Boomilever
Mission Possible
Mousetrap Vehicle
Wright Stuff

Inquiry & Nature of Science

Codebusters
Experimental Design
Fermi Questions
Write It Do It



Exploring the World of Science

Alumni



"Recently, past competitors have started to realize that they have more in common than just memories. They are an alumni network, and they are bringing together the enthusiasm they once had for competition in a new role as active Science Olympiad alumni. I have been inspired by the way that so many alumni have created a new arena to provide elite tournament experiences, networking opportunities, and college exposure to a wider population of students."

Amanda Baker

Scientific American Budding Scientist writer

"Science Olympiad has taught me to think in engineering design and what it means to be a part of a true team. The way most people feel about sports is how I feel about Science Olympiad. It's a huge part of who I am."

Jessie Vander

Sylvain Labs, Brand Strategist



Exploring the World of Science

The Science Olympiad Alumni Network is comprised of past participants of the program, stretching back to when the national organization first started registering teams in 1984-1985. **Each year nearly 240,000 students join Science Olympiad clubs**, adding to the millions with a SciOly background who are entrepreneurs, innovators and leaders in government, industry and academia.

In a recent Alumni Task Force Survey:

48% said they are in contact with or mentoring a local Science Olympiad team

73% said they are currently volunteering with a local Science Olympiad tournament

87% said they intend to continue volunteering with Science Olympiad

92% said they want to network with other Science Olympiad alumni

"Write It Do It and Experimental Design help me every day as a scientist. They taught me how to write my methods sections precisely so that others can replicate my findings. Science Olympiad showed me I wanted to be a scientist, and now, I am pursuing that goal in graduate school where I've received a National Science Foundation Graduate Research Fellowship."

Jordann Brandner

Kansas State University Graduate Research Assistant



Elementary



Science Olympiad's Division A (Grades K-6) allows students, teachers and families an opportunity to explore the world of STEM in classroom, club, community or competitive settings. Signature Science Olympiad events like **Mystery Powders, Gummi Bear Long Jump, Straw Towers, Metric Mastery and Don't Bug Me** bring core science concepts to life using everyday materials. Designed to be inclusive, welcoming and accessible to novice learners and educators, the Common Core and Next Generation Science Standards-aligned Elementary Science Olympiad curriculum will fit the needs of any school, after-school program or library.



 **1500**
There are competitive Division A Science Olympiad teams in 12 states

 **10K+**
There are elementary schools hosting PTA, community or school-organized Fun Day, Fun Night or Competitive Tournaments in the US

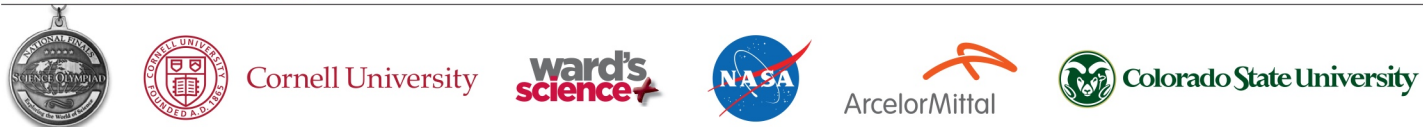
The average per-student cost for materials and supplies of an Elementary Science Olympiad community event is **LESS THAN TWO DOLLARS**



Sponsors

For the 2018-2019 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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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.

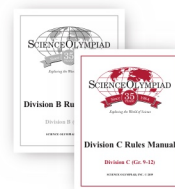
UPCOMING TOURNAMENTS

2019  Cornell University 2020 **NC STATE UNIVERSITY**



2019 DIGITAL ONLINE STORE!

Please visit store.soinc.org to view the digital Division B and C Rules Manuals online for free and to order print and digital versions of CDs, DVDs, Test Packets and other educational materials you can use to prepare for Science Olympiad tournaments and classroom instruction.



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