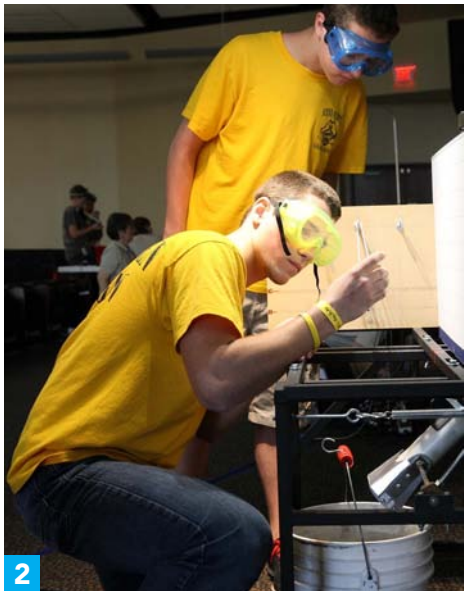
SCIENCE OLYMPIAD

The Nation's Most Exciting K-12 Science Competition

1


2

3

For the past 31 years, SCIENCE OLYMPIAD has led a revolution in science education. What began as a grassroots assembly of science teachers is now one of the premiere science competitions in the nation, providing rigorous, standards-based challenges to nearly 7,000 teams in 50 states. Science Olympiad's ever-changing line-up of events in all Science, Technology, Engineering and Mathematics (STEM) disciplines exposes students to practicing scientists and career choices, and energizes classroom teachers with a dynamic content experience.

OUR MISSION

Science Olympiad is a national non-profit organization dedicated to improving the quality of K-12 science education, increasing student interest in science, creating a technologically literate workforce and providing recognition for outstanding achievement by both students and teachers. These goals are achieved by participating in Science Olympiad tournaments, incorporating Science Olympiad into classroom curriculum and attending professional development workshops. For more information, please visit **soinc.org.**

SCIENCE OLYMPIAD™

Exploring the World of Science

1 Troy High School students and veteran coaches celebrate their First Place win at the 30th Anniversary 2014 Science Olympiad National Tournament 2 Precision design, building and structural engineering skills on display in the Boomilever event; national winners receive $1,000 college scholarships 3 Science Olympiad's multi-discipline approach allows students to showcase varied interests in chemistry, physics, robotics, epidemiology and problem solving

2015 EVENTS FOR SCIENCE OLYMPIAD

DIVISION B GRADES 6-9	DIVISION C GRADES 9-12
Life, Personal & Social Science	**Life, Personal & Social Science**
Anatomy & Physiology	Anatomy & Physiology
Bio-Process Lab	Cell Biology
Disease Detectives	Disease Detectives
Entomology	Entomology
Green Generation	Green Generation
Earth & Space Science	**Earth & Space Science**
Dynamic Planet	Astronomy
Fossils	Dynamic Planet
Meteorology	Fossils
Road Scholar	Geologic Mapping
Solar System	
Physical Science & Chemistry	**Physical Science & Chemistry**
Air Trajectory	Air Trajectory
Crave the Wave	Compound Machines
Simple Machines	It's About Time
Can't Judge A Powder	Chem Lab
Crime Busters	Forensics
	Protein Modeling
Technology & Engineering	**Technology & Engineering**
Bridge Building	Bridge Building
Elastic Launched Glider	Mission Possible
Robo-Cross	Scrambler
Wheeled Vehicle	Wright Stuff
Inquiry & Nature of Science	**Inquiry & Nature of Science**
Bottle Rocket	Bungee Drop
Experimental Design	Experimental Design
Picture This	Technical Problem Solving
Write It Do It	Write It Do It

For short descriptions of each of the 2015 events, see **soinc.org/short_event_descriptions** on the Science Olympiad website.

Events like Helicopters touch every letter of STEM (Science, Technology, Engineering and Math) and inspire teamwork and collaboration

Bob Cabana, Director of NASA's Kennedy Space Center, inspired students with his address at the 2014 Science Olympiad National Tournament

SCIENCE OLYMPIAD SPECIAL PROGRAMS

SCIENCE OLYMPIAD ALUMNI NETWORK We want to hear from you! Students, coaches, teachers, supervisors and volunteers are celebrating their connection to Science Olympiad by sharing photos, stories and success via social media and the Science Olympiad Alumni Survey. To get hooked into the Science Olympiad Alumni Network via Facebook, Twitter, Google+ or LinkedIn please visit **soinc.org/alumni** and click on the icons.

ELEMENTARY SCIENCE OLYMPIAD Teachers, parents and PTA members in Grades K-6 schools can add fun and excitement to their science curriculum with Elementary Science Olympiad events like a Competitive Tournament or Fun Day/Fun Night. New for 2015! Club Lesson Plans, supply lists and handouts for 15 signature events!

URBAN SCHOOLS INITIATIVE In 2007, Science Olympiad founded its first Urban Schools Initiative (USI) program in Chicago Public Schools, delivering registration, mentoring, professional development and resource materials to schools with underserved populations. The USI model is now encouraging students in Indiana, Pennsylvania, Texas, California and South Carolina to get involved with Science Olympiad teams, identify new skills and explore STEM college majors and careers.

WHITE HOUSE SCIENCE FAIR Science Olympiad participants from Chicago representing the theme of women and minorities in STEM were honored at the annual event in Washington, DC, on May 27, 2014.

NBC Chicago news anchor Rob Stafford presents the Science Olympiad Urban Schools Initiative with a 21st Century Solutions grant to expand the program's reach

Science Olympiad Team Captain Mary-Margaret Koch pictured with President Barack Obama at the 4th Annual White House Science Fair (2nd row, 3rd from left)

THE BASICS OF SCIENCE OLYMPIAD

DIVISION B (GRADES 6-9)

DIVISION C (GRADES 9-12)

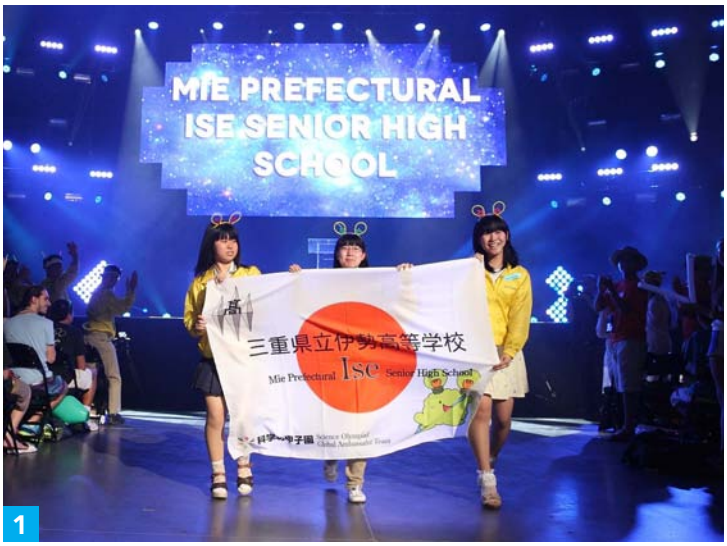
7,000 TEAMS IN 2014

15 MEMBERS ON A TEAM

380 INVITATIONAL, REGIONAL, STATE AND NATIONAL TOURNAMENTS

23 EVENTS IN EACH DIVISION

49 STATE ORGANIZATIONS



1

2

3

SCIENCE OLYMPIAD FUTURE TOURNAMENTS

2015 **University of Nebraska-Lincoln**
Lincoln, NE

2015 Science Olympiad National Tournament
UNIVERSITY OF NEBRASKA–LINCOLN
Explore Challenge Achieve

2016 **University of Wisconsin-Stout**
Menomonie, WI

2017 **Wright State University**
Dayton, OH

2018 **Colorado State University**
Fort Collins, CO

1 Our Science Olympiad Global Ambassador Team from Japan received a standing ovation from a crowd of 5,000 during the National Tournament Parade of States
2 A medal-winning Rotor Egg Drop design 3 Team members spend hours preparing and perfecting their devices for competition

The Science Olympiad National Tournament Swap Meet allows students to trade items from their home state and get to know new friends from across the country

SCIENCE OLYMPIAD
Exploring the World of Science

SCIENCE OLYMPIAD SCHOOL YEAR TIMELINE

FALL **START A TEAM** Teachers and students alike say Science Olympiad was one of the most inspirational and memorable experiences of their educational life. Register a team via your state's Science Olympiad website and you'll be qualified for competition all the way up to the National Tournament. Don't forget to attend a Science Olympiad state workshop.

WINTER **IT'S TIME TO GET SERIOUS** Tournament season kicks into high gear before the holidays, with Invitational and practice tournaments popping up all over the country. In February and March, Regional Tournaments will determine if your team advances to State. The top 60 teams in Division B and Division C make it to Nationals!

SPRING **GO FOR THE GOLD** The 2015 Science Olympiad National Tournament will be hosted by UNIVERSITY OF NEBRASKA-LINCOLN, where you'll join 5,000 like-minded STEM enthusiasts. In addition to cash scholarships, technology prizes and trips to corporations and professional conferences, students at Science Olympiad tournaments are awarded tuition waivers to institutions like The University of Central Florida and The George Washington University.

SUMMER **KEEP YOUR SKILLS FRESH** Teachers, coaches and tournament personnel can recharge their batteries by attending the Science Olympiad Summer Institute or a summer workshop. Kids can get a jump on the school year at Summer Camps across the country.

SCIENCE OLYMPIAD
2014-2015 SPONSORS

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 science education.

PLATINUM SPONSORS

GOLD SPONSORS

SILVER SPONSORS

BRONZE SPONSORS

Academy of Model Aeronautics
Chandra X-Ray Center
Investing in Communities
MAKE Magazine
NASA
National Association of Watch and Clock Collectors
Society for Neuroscience
Yale Young Global Scholars

STRATEGIC PARTNERS

American Association for the Advancement of Science (AAAS)
Hardware Science
Japan Science and Technology Agency (JST)
Maker Education Initiative
Milwaukee School of Engineering (MSOE)

Barrington Schools from Rhode Island made an impression at the 2014 National Tournament; the high school won the $2,000 Lockheed Martin Spirit Award

Hands-on labs in chemistry events like Crime Busters, Forensics and Can't Judge A Powder give students the opportunity to demonstrate application of knowledge

Scan the QR code to see this NBC "Making A Difference" segment featuring Science Olympiad President Dr. Gerard Putz and team members from Lane Tech High School

ONLINE STORE

Please visit **store.soinc.org** to order Rules Manuals, CDs, DVDs, Test Packets and other educational materials you can use to prepare for Science Olympiad tournaments and classroom instruction!

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.

Science Olympiad Headquarters
Two Trans Am Plaza Dr., Suite 415
Oakbrook Terrace, IL 60181

T: 630.792.1251
F. 630.792.1287
soinc.org