

# SCIENCE OLYMPIAD

THE NATION'S MOST EXCITING K-12 SCIENCE COMPETITION



*Exploring the World of Science*

For the past 32 years, **SCIENCE OLYMPIAD** has led a revolution in science education. What began as a grassroots assembly of science teachers is now one of the premier science competitions in the nation, providing rigorous, standards-based challenges to nearly 7,400 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](http://soinc.org).



1 Champs from Solon Middle School in Ohio claim the 2015 Science Olympiad National Tournament Division B trophy. 2 While girls and women are underrepresented in STEM courses and careers, they make up half of all participants in Science Olympiad. 3 Working with a partner to design, prototype and manufacture devices teaches teamwork and collaboration skills needed in today's competitive workforce.

## 2016 EVENTS FOR SCIENCE OLYMPIAD

### DIVISION B GRADES 6-9

#### Life, Personal & Social Sciences

Anatomy & Physiology  
Bio-Process Lab  
Disease Detectives  
Green Generation  
Invasive Species

#### Earth & Space Science

Dynamic Planet  
Fossils  
Meteorology  
Road Scholar  
Reach for the Stars

#### Physical Science & Chemistry

Air Trajectory  
Crave the Wave  
Wind Power  
Crime Busters  
Food Science

#### Technology & Engineering

Bridge Building  
Elastic Launched Glider  
Mission Possible  
Scrambler

#### Inquiry & Nature of Science

Bottle Rocket  
Experimental Design  
Picture This  
Write It Do It

### DIVISION C GRADES 9-12

#### Life, Personal & Social Sciences

Anatomy & Physiology  
Cell Biology  
Disease Detectives  
Green Generation  
Invasive Species

#### Earth & Space Science

Astronomy  
Dynamic Planet  
Fossils  
GeoLogic Mapping

#### Physical Science & Chemistry

Air Trajectory  
It's About Time  
Wind Power  
Chem Lab  
Forensics  
Protein Modeling

#### Technology & Engineering

Bridge Building  
Electric Vehicle  
Robot Arm  
Wright Stuff

#### Inquiry & Nature of Science

Experimental Design  
Game On  
Hydrogeology  
Write It Do It

For short descriptions of each of the 2016 events, see [soinc.org/short\\_event\\_descriptions](http://soinc.org/short_event_descriptions) on the Science Olympiad website.



Competitors wind the elastic motor on their Wright Stuff model aircraft, hoping for the longest time aloft. Trim flights allow teams to collect data and refine their designs to maximize results.



Science Olympiad's Global Ambassador Team from Japan receives a warm Midwestern welcome from 5,000 friends at the University of Nebraska-Lincoln at the 2015 National Tournament.



DIVISION B  
(GRADES 6-9)

DIVISION C  
(GRADES 9-12)

7,400  
TEAMS IN 2015

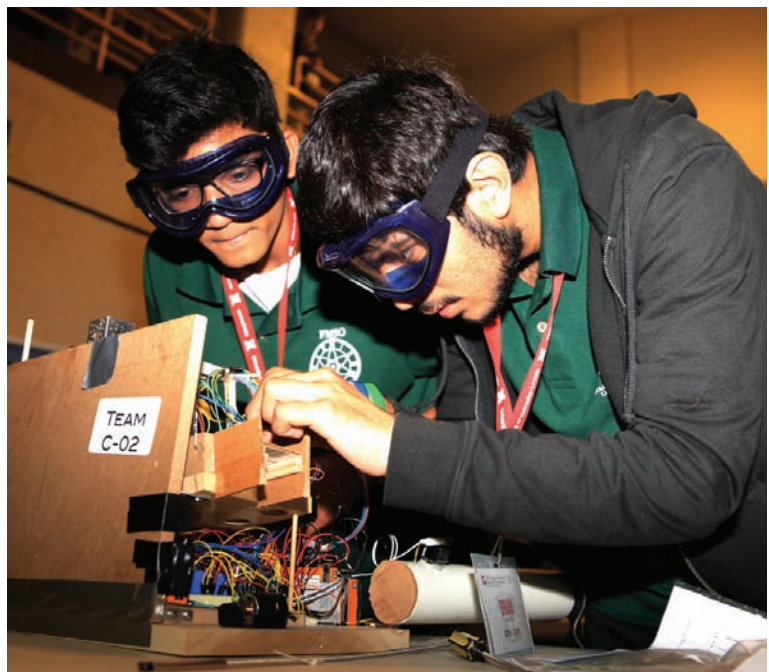
15 MEMBERS ON A TEAM

400 INVITATIONAL, REGIONAL, STATE  
AND NATIONAL TOURNAMENTS



23 EVENTS IN EACH DIVISION

49 STATE ORGANIZATIONS



One of Science Olympiad's most popular events, Mission Possible, tests the creativity and engineering skill of teams that make Rube Goldberg-like devices using energy transfers to complete a task.



## SCIENCE OLYMPIAD SPECIAL PROGRAMS



**SCIENCE OLYMPIAD ALUMNI NETWORK** Students, coaches, teachers, supervisors, and volunteers are celebrating their connection to Science Olympiad by sharing job opportunities, photos and success stories via social media on Facebook, Twitter, Google+ or LinkedIn. Visit [soinc.org/alumni](http://soinc.org/alumni) for links or to fill out an Alumni Survey.



**ELEMENTARY SCIENCE OLYMPIAD** Teachers, parents and PTA members in Grades K-6 schools can add fun and hands-on excitement to their science curriculum with Elementary Science Olympiad events like a Competitive Tournament or Fun Day/Fun Night. The Club Lesson Plans include supply lists and handouts for 15 signature events and are aligned to Next Generation Science Standards (NGSS), Math and English Language Arts Standards. Kits for ESO coming in 2016!



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



SCIENCE FAIR

**WHITE HOUSE SCIENCE FAIR** Science Olympiad National Tournament champs from Beckendorff JHS in Katy, Texas were honored along with their coach and principal at the annual event in Washington, DC, on March 23, 2015.



President Barack Obama invites top STEM competition winners to the White House Science Fair.



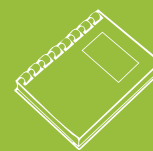
Desert Mountain HS in Arizona won the 2015 Science Olympiad National Tournament Spirit Award sponsored by Lockheed Martin, honoring the team exhibiting outstanding sportsmanship.

## 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 2016 Science Olympiad National Tournament will be hosted by UNIVERSITY OF WISCONSIN-STOUT, 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 FUTURE TOURNAMENTS

2016

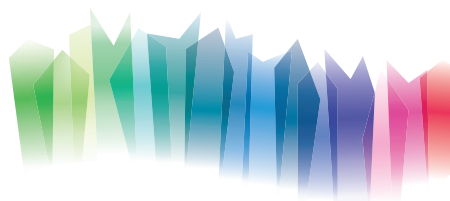
University of Wisconsin-Stout  
Menomonie, WI

2017

Wright State University  
Dayton, OH

2018

Colorado State University  
Fort Collins, CO



SCIENCE OLYMPIAD  
NATIONAL TOURNAMENT

2016 University of Wisconsin-Stout

AURORA BOREALIS

# SCIENCE OLYMPIAD 2015-2016 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 STEM 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 (NAWCC)  
Society for Neuroscience (SfN)  
Yale Young Global Scholars

## STRATEGIC PARTNERS

American Association for the Advancement of Science (AAAS)  
Digital Manufacturing and Design Innovation Institute (DMDII)  
Groundwater Foundation

Hardware Science  
Japan Science and Technology Agency (JST)  
Maker Education Initiative  
Million Women Mentors (MWM)  
Milwaukee School of Engineering (MSOE)



Love chemistry or biology? Science Olympiad has partner lab and study events for students who excel in research, data collection and analysis.



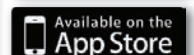
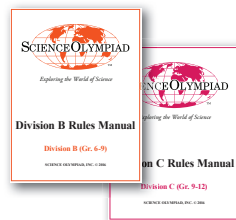
Annual traditions like the Science Olympiad Parade of States honor the hard work it takes to make it all the way to the National Tournament.



Everything was Awesome at the National Tournament Opening Ceremony! Scan the QR code to see the video on Science Olympiad TV.

## ONLINE STORE

Please visit [store.soinc.org](http://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 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  
[www.soinc.org](http://www.soinc.org)

