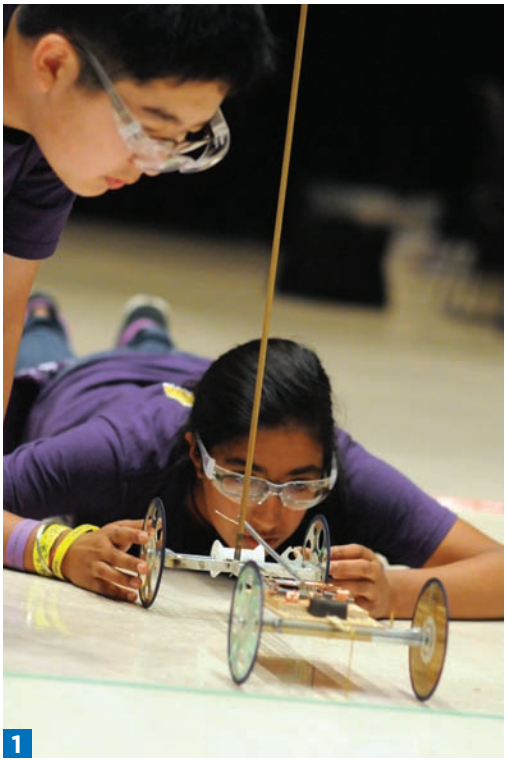
SCIENCE OLYMPIAD



1

2

3

4

SCIENCE OLYMPIAD
Since 30 YEARS 1984
Exploring the World of Science

For the past 30 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 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 **www.soinc.org.**

THE NATION'S MOST EXCITING K-12 SCIENCE COMPETITION

1 A team from Winston Churchill Middle School calibrates its Mousetrap Vehicle for launch 2 Science Olympiad National Tournament gold medalists from Harriton High School celebrate their Technical Problem Solving win and Texas Instruments prize package 3 The Science Olympiad Urban Schools Initiative provides students with opportunities to compete in a college setting against their peers 4 Structural engineering events like Boomilever require teams to build, test and collect data on their devices

SCIENCE OLYMPIAD
SCHOOL YEAR TIMELINE

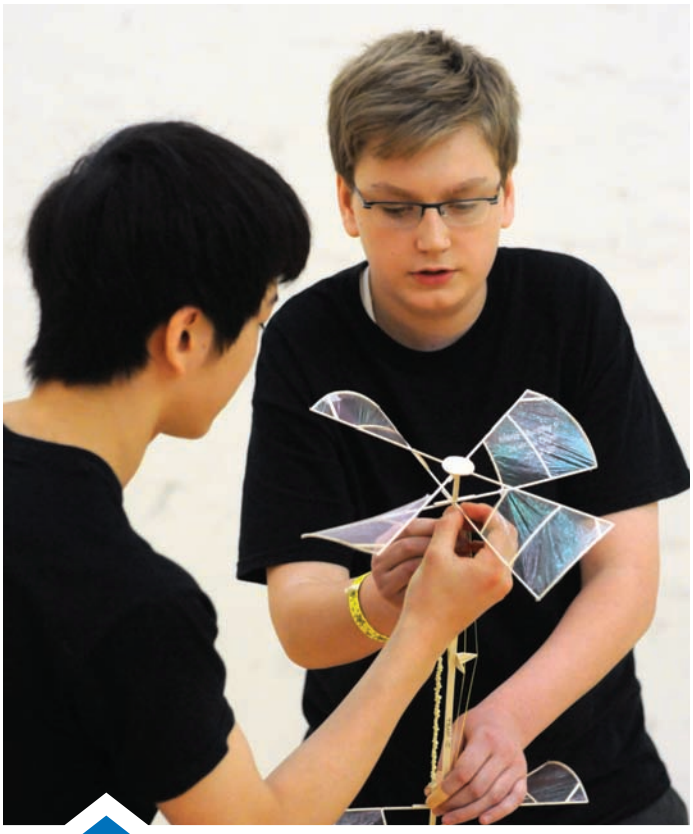
FALL Start a team Teachers and students alike say Science Olympiad was the most inspirational and most memorable experience of their educational life. Register a team via your state's Science Olympiad website and you'll be qualified for competition all the way up to the National Tournament. Attend a coaches workshop for the best prep.

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 The 2014 Science Olympiad National Tournament will be hosted by **UNIVERSITY OF CENTRAL FLORIDA**. 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 Wright State University and The George Washington University.

UCF

SUMMER Keep your skills fresh by attending the Science Olympiad Summer Institute or a summer workshop. Kids can get a jump on the school year at Summer Camps in Arkansas, Indiana or North Carolina.



Events touching every letter in STEM (Science, Technology, Engineering, and Mathematics) inspire teamwork, hands-on learning and collaboration

Science Olympiad's multi-discipline approach allows students to show their skills in chemistry, physics, astronomy, epidemiology and problem solving

Arriving home with a trophy from the National Tournament is cause for celebration — pep rallies, school board recognition and news coverage!

THE BASICS OF SCIENCE OLYMPIAD

DIVISION B (GRADES 6-9)

DIVISION C (GRADES 9-12)

6,800 TEAMS IN 2013

15 MEMBERS ON A TEAM

360 INVITATIONAL, REGIONAL, STATE AND NATIONAL TOURNAMENTS

23 EVENTS IN EACH DIVISION

48 STATE ORGANIZATIONS

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 www.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 a Fun Day/Fun Night! Check out our website for free resources and tips.

Urban Schools Initiative A Science Olympiad Executive Board directive in 2007 founded the Urban Schools Initiative in the Chicago Public Schools, setting off a chain reaction of successful programs in Texas, California and Hawaii that deliver registration, mentoring, professional development and resource materials to districts and schools with underserved populations.

White House Science Fair Science Olympiad National Tournament champs from Solon Middle School and Solon High School attended the 2013 White House Science Fair in Washington, DC, where President Barack Obama applauded their achievements.

Alongside winners from top STEM competitions, Science Olympiad coaches and students show off their medals to PJ Simon from DuPont at the **2013 White House Science Fair**

Science Olympiad **Alumni** often cite the program as the reason they chose a STEM major or career

Getting kids hooked on science with **Elementary Science Olympiad** in elementary school helps encourage the trajectory of learning well into middle school and beyond

Science Olympiad's Urban Schools Initiative encourages students with diverse skill sets and backgrounds to develop their talents as a team — and win!

2014 EVENTS FOR SCIENCE OLYMPIAD

DIVISION B
GRADES 6-9

Life, Personal & Social Science
Anatomy
Disease Detectives
Entomology
Heredity
Water Quality

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

Physical Science & Chemistry
Shock Value
Simple Machines
Sounds of Music
Can't Judge A Powder
Crime Busters

Technology & Engineering
Boomilever
Helicopters
Robo-Cross
Wheeled Vehicle

Inquiry & Nature of Science
Experimental Design
Metric Mastery
Rotor Egg Drop
Write It Do It

DIVISION C
GRADES 9-12

Life, Personal & Social Science
Anatomy & Physiology
Designer Genes
Disease Detectives
Entomology
Water Quality

Earth & Space Science
Astronomy
Dynamic Planet
GeoLogic Mapping
Rocks and Minerals

Physical Science & Chemistry
Circuit Lab
Compound Machines
MagLev
Chem Lab
Forensics
Materials Science

Technology & Engineering
Boomilever
Elastic Launched Glider
Mission Possible
Scrambler

Inquiry & Nature of Science
Bungee Drop
Experimental Design
Technical Problem Solving
Write It Do It

For short descriptions of each of the 2014 events, see **soinc.org/short_event_descriptions** on the Science Olympiad website.

SCIENCE OLYMPIAD
2013-2014 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

UCF

Combined Federal Campaign (CFC)

WRIGHT STATE UNIVERSITY

GOLD SPONSORS

AIRFORCE.COM

ARMY ROTC

LOCKHEED MARTIN

TEXAS INSTRUMENTS

SILVER SPONSORS

ASBMB
American Society for Biochemistry and Molecular Biology

CENTERS FOR DISEASE CONTROL AND PREVENTION

DUPONT
DuPont Center for Collaborative Research and Education

Discovery | 3M
Young Scientist Challenge

ACE Hardware

NOAA

National Marine Sanctuary Foundation

VWR

ward's science

UTIG
INSTITUTE FOR GEOPHYSICS

BRONZE SPONSORS

Academy of Model Aeronautics
Chandra X-Ray Center
Investing in Communities
MAKE Magazine
NASA
Society for Neuroscience

STRATEGIC PARTNERS

American Association for the Advancement of Science (AAAS)
Japan Science and Technology Agency

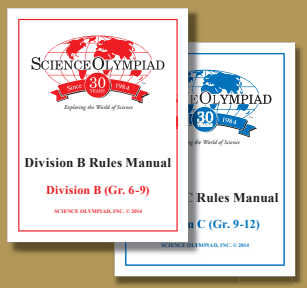
Schools winning the prestigious Lockheed Martin Spirit Award receive $2,000 for their Science Olympiad program

The Science Olympiad Global Ambassador team from Okazaki Prefectural High School in Japan attended the 2013 National Tournament in Ohio

Scan the QR Code above to see The Weather Channel's two-minute piece on the Science Olympiad National Tournament

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!



SCIENCE OLYMPIAD
Since 30 YEARS 1984
Exploring the World of Science

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.

BEST in America

APPROVED FOR LISTING NASSP 2013-2014 STUDENT CONTESTS & ACTIVITIES

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