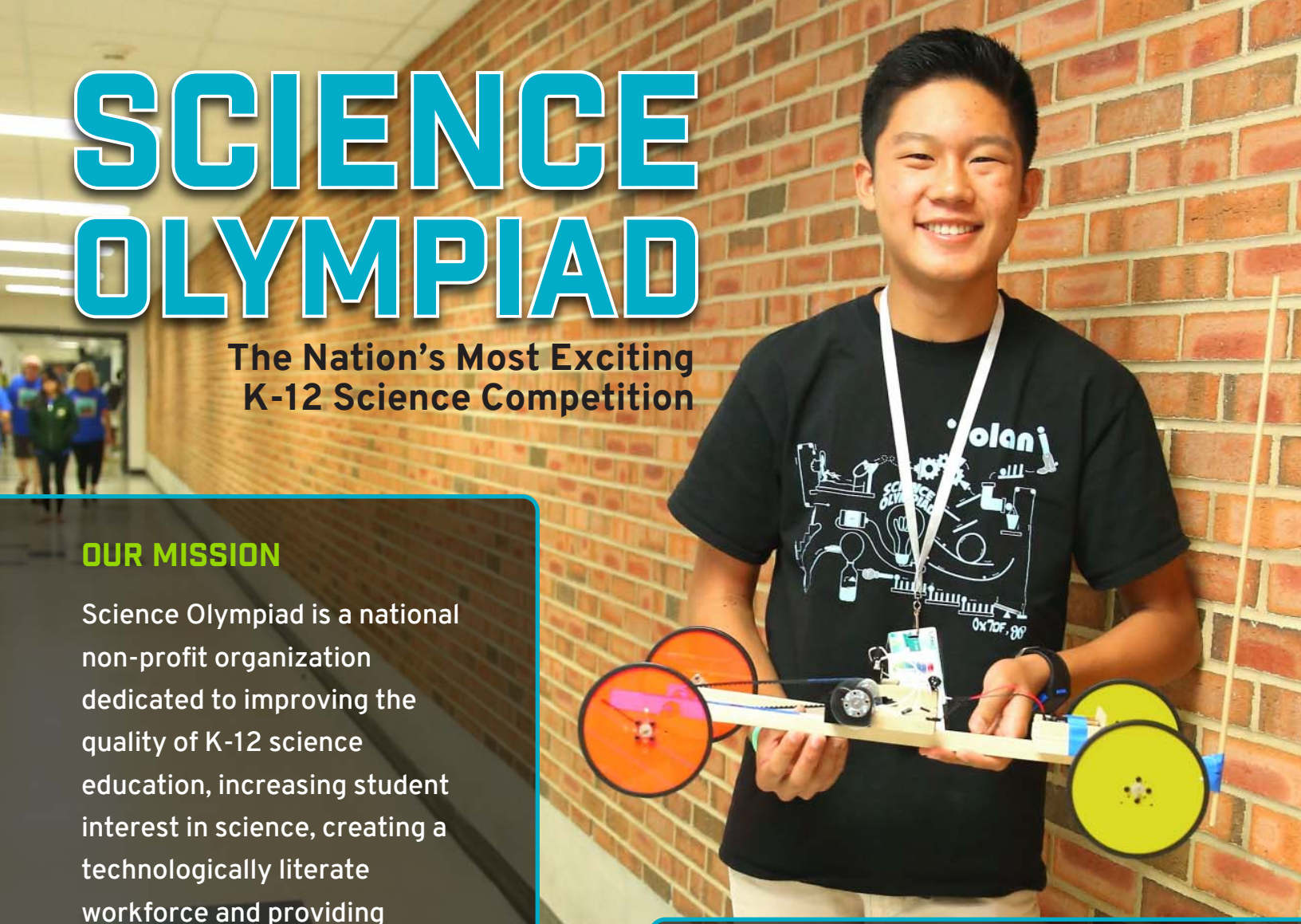
SCIENCE OLYMPIAD

The Nation's Most Exciting K-12 Science Competition



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

For the past 33 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 7,600 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.

Science Olympiad employs cross-cutting concepts in all of its standards-aligned events, building 21st century skill sets essential to today's STEM workforce. Here a competitor displays his Electric Vehicle that measures a team's ability to design, prototype and test a speedy and accurate device using electrical energy as its sole means of propulsion.

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 2017 Science Olympiad National Tournament will be hosted by WRIGHT STATE UNIVERSITY, 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.

Hands-on lab events like Food Science, Crime Busters, Forensics and Chem Lab allow students with mad chemistry skills to apply their knowledge in real-world scenarios. While girls and women are underrepresented in STEM courses and careers, they make up half of all participants in Science Olympiad.

2017 EVENTS

DIVISION B > *Grades 6-9*

Life, Personal, & Social Science
Anatomy & Physiology
Disease Detectives
Ecology
Invasive Species
Microbe Mission

Earth & Space Science
Dynamic Planet
Meteorology
Reach for the Stars
Road Scholar
Rocks and Minerals

Physical Science & Chemistry
Hovercraft
Optics
Wind Power
Crime Busters
Food Science

Technology & Engineering
Mission Possible
Scrambler
Towers
Wright Stuff

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

DIVISION C > *Grades 9-12*

Life, Personal, & Social Science
Anatomy & Physiology
Disease Detectives
Ecology
Invasive Species
Microbe Mission

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

Physical Science & Chemistry
Hovercraft
Optics
Wind Power
Chem Lab
Forensics
Materials Science

Technology & Engineering
Electric Vehicle
Helicopters
Robot Arm
Towers

Inquiry & Nature of Science
Experimental Design
Game On
Hydrogeology
Write It Do It

For short descriptions of each of the 2017 events, see soinc.org/short_event_descriptions on the Science Olympiad website.

This challenger from Troy High School readies his Robot Arm at the 2016 Science Olympiad National Tournament to accumulate points by precisely moving sets of ping pong balls, plastic bricks, pencils and dice into designated goals within three minutes.

SPECIAL PROGRAMS

2016 Science Olympiad National Tournament Division C champions from Mira Loma High School in Sacramento, California, celebrate their first-ever National Tournament win at the University of Wisconsin-Stout.

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 for links or to fill out an Alumni survey.

WHITE HOUSE SCIENCE FAIR

One of President Barack Obama's signature events has been the annual White House Science Fair, an event that honors the achievement of more than 100 of the top STEM competition winners across the US. In 2016, Science Olympiad champions from Solon Middle School were invited not only to the fair, but also to a STEM Roundtable hosted by US Education Secretary John King and attended by US Chief Technology Officer Megan Smith.

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 soon!

URBAN SCHOOLS INITIATIVE

The Science Olympiad Urban Schools Initiative was piloted by the national office in Chicago in 2007 and continues to serve as a model for growth in both urban and rural areas across the US with minority and/or underserved populations. Current locations include Chicago, Philadelphia, Baltimore, Northwest Indiana, Austin, Los Angeles County and Washington, DC.

SCIENCE OLYMPIAD 2016-2017 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.

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Million Women Mentors (MWM)
Milwaukee School of Engineering (MSOE)
The Groundwater Foundation

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UPCOMING TOURNAMENTS

2017 > *Wright State University*

2018 > *Colorado State University*

Exploring the World of Science

CHECK US OUT ON YOUTUBE!

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.

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