SCIENCE OLYMPIAD

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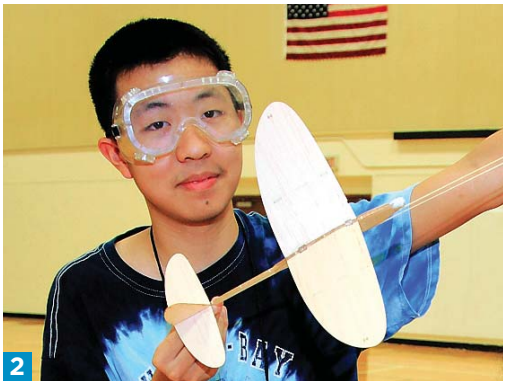
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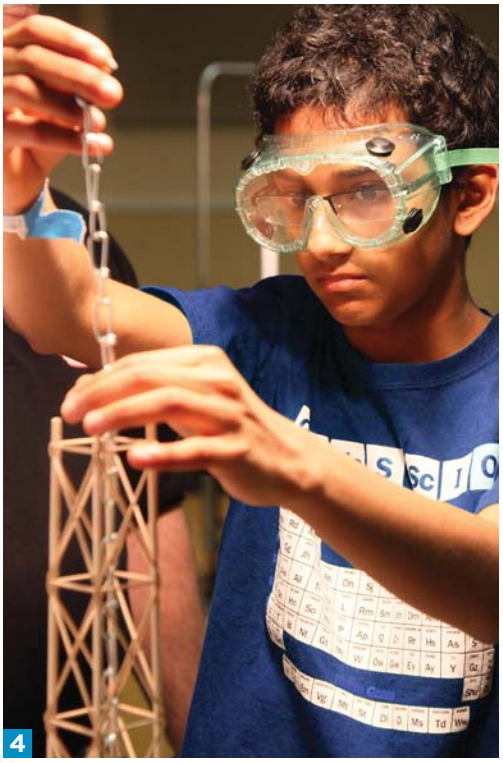
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THE NATION'S MOST EXCITING K-12 SCIENCE COMPETITION

For the past 29 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 6,400 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.**

SCIENCE OLYMPIAD™

Exploring the World of Science

1 Students perfect their Helicopter at the 2012 Science Olympiad National Tournament at the University of Central Florida 2 Engineering events like Elastic Launched Glider require teams to build, test and collect data on their devices 3 Gold medal winners from the Science Olympiad Regional Tournament at Wright College represent Chicago Public Schools with pride 4 Science Olympiad's standards-aligned challenges enhance science curriculum and turn lessons into hands-on learning experiences

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.

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 2013 Science Olympiad National Tournament will be hosted by **WRIGHT STATE UNIVERSITY** in Ohio. 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 George Washington University, Indiana University and the University of Delaware.

SUMMER Keep your skills fresh by attending the Science Olympiad Summer Institute, a summer workshop or a Summer Camp hosted by Indiana University or North Carolina State University.

THE BASICS OF SCIENCE OLYMPIAD

DIVISION B (GRADES 6-9)

DIVISION C (GRADES 9-12)

6,400 TEAMS IN 2012

15 MEMBERS ON A TEAM

350 INVITATIONAL, REGIONAL, STATE AND NATIONAL TOURNAMENTS

23 EVENTS IN EACH DIVISION

48 STATE ORGANIZATIONS

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

At the National Tournament, 120 of the top teams from all across the United States compete in challenging events like Bottle Rockets

SCIENCE OLYMPIAD
SPECIAL PROGRAMS

Science Olympiad Alumni Network Students, coaches, teachers, supervisors and volunteers are invited to celebrate their connection to Science Olympiad and share their experiences and success via social media and the Alumni Survey. Get back in the game! To connect to the Science Olympiad Alumni Network via Facebook, Twitter, Google+ or LinkedIn please visit www.soinc.org/alumni and click on the icons for more info.

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!

Urban Schools Initiative In Hawaii, the Science Olympiad Rural Islands Initiative provides membership, training, materials and long-term support to deserving schools. In Texas, the Motorola Foundation funded the development of digital resources, translated materials and training in Deep South Texas, increasing the number of teams with primarily Hispanic populations.

White House Science Fair Science Olympiad champs attended the 2012 White House Science Fair in Washington, DC, where President Barack Obama honored winners from top STEM competitions. In 2011, Centerville High School represented Science Olympiad at this prestigious event.

Science Olympiad alumni network

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

Winning teams from Solon Middle School and Solon High School meet Bill Nye at the **2012 White House Science Fair** in Washington, DC, hosted by President Barack Obama

SCIENCE OLYMPIAD URBAN Schools INITIATIVE

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

2013 EVENTS FOR SCIENCE OLYMPIAD

DIVISION B
GRADES 6-9

Life, Personal & Social Science
Anatomy (Nervous, Digestive)
Disease Detectives (Environmental Quality)
Forestry
Heredity
Water Quality (Fresh Water/ Estuaries)

Earth & Space Science
Dynamic Planet (Glaciers)
Meteorology (Everyday Weather)
Reach for the Stars
Road Scholar
Rocks and Minerals

Physical Science & Chemistry
Keep the Heat
Shock Value
Sounds of Music
Crime Busters
Food Science

Technology & Engineering
Boomilever
Helicopters
Mission Possible
Mousetrap 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 (Nervous, Digestive, Excretory)
Designer Genes
Disease Detectives (Environmental Quality)
Forestry
Water Quality (Fresh Water/Estuaries)

Earth & Space Science
Astronomy
Dynamic Planet (Glaciers)
Remote Sensing (Earth's Hydrosphere)
Rocks and Minerals

Physical Science & Chemistry
Circuit Lab
MagLev
Thermodynamics
Chem Lab (Periodicity and Equilibrium)
Forensics
Materials Science

Technology & Engineering
Boomilever
Elastic Launched Glider
Gravity Vehicle
Robot Arm

Inquiry & Nature of Science
Experimental Design
Fermi Questions
Technical Problem Solving
Write It Do It

SCIENCE OLYMPIAD
2012-2013 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

Wright State University

Army ROTC

UCF

GOLD SPONSORS

AIRFORCE.COM

Combined Federal Campaign (CFC)

Lockheed Martin

Texas Instruments

SILVER SPONSORS

DuPont Center for Collaborative Research and Education

Centers for Disease Control and Prevention

National Oceanic and Atmospheric Administration

Discovery | 3M Young Scientist Challenge

National Marine Sanctuary Foundation

SK Science Kit & Boreal Laboratories

VWR

BRONZE SPONSORS

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

STRATEGIC PARTNERS

American Association for the Advancement of Science (AAAS)
Japan Science and Technology Agency
O'Reilly Media and Maker Education Initiative

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

The Parade of States is a highlight of the National Tournament Opening Ceremony. Teams that travel furthest (like Hawaii) get the loudest cheers

Scan the QR Code above to see the video "Science Olympiad is Awesome" by David Nevala featuring highlights from the 2011 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!

ScienceOlympiad™

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 — Independent Charities of America

Approved for Listing NASSP 2012-2013 Student Contests & Activities

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