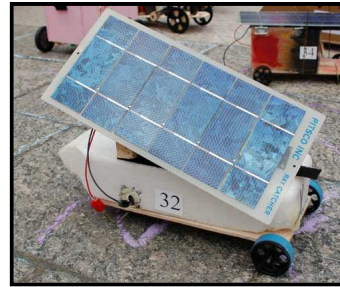
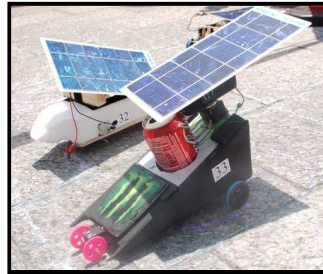




Junior Solar Sprint

A Model Solar Electric Car Program



What's it all about?

"Best science project I've ever done."

Given a standard motor and solar panel, middle school kids design and craft model solar electric cars. In the process they learn and apply skills in engineering, physical sciences, mathematics, teamwork, problem solving and more.

Junior Solar Sprint provides an ideal context to learn about timely energy issues.

"We should do more stuff like this in class."

Highly engaging, Junior Solar Sprint is an educator's dream.

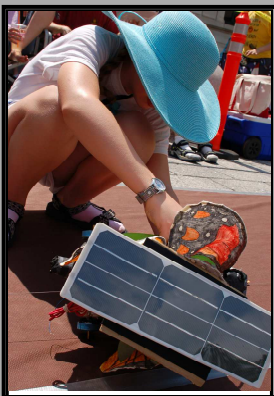
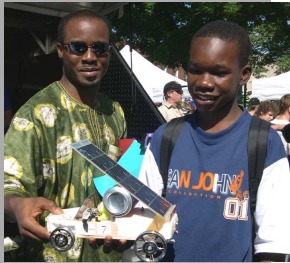
Interdisciplinary and hands-on, it has a much different feel from textbook work or even traditional science labs. There's no single correct solution and kids learn first-hand if they need to return to the drawing board and rebuild for improved car performance.

"The race was fun and exciting."

Race and design competitions motivate students and thrill onlookers.

Top local winners are invited to a Regional Championship where 100 teams compete.

Trophies are awarded for technical merit (solar collection, power train, wheel and guidance), innovation and craftsmanship, and speed..... **"Cool"**



Getting Started With Junior Solar Sprint

Attend a Workshop

- Learn the basics
- Get resources
- Network
- Build a car
- Find out details at: www.nesea.org
Follow links to Junior Solar Sprint through K-12 Educators
- Questions? sreyes@nesea.org

Get Materials:

- Scavenge most!
- Start a whole class with just two panels:
- Find qualifying solar panels and motors at:
www.shop-pitsco.com 1-800-358-4983
<http://solarmade.com> 719-635-5125

More resources:

- www.nrel.gov/education/jss_hfc.html
- SchoolPowerNaturally.org
- www.planetconnecticut.org
- <http://www.icsd.k12.ny.us/dewitt/teched/links.html>
- <http://www.fsec.ucf.edu/en/education/k-12/curricula/sm3/index.htm>
- <http://apps1.eere.energy.gov/education/lessonplans/>
- www.energyteachers.org

Coordinated by the Northeast Sustainable Energy Association (NESEA).

Sponsored by the US Army Educational Outreach Program.
www.USAEOP.com



Northeast Sustainable Energy Association (NESEA)

50 Miles St.
Greenfield, MA 01301

Contact:

Susan Reyes
Science Educator
sreyes@nesea.org
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Fax: 413-774-6053



We're on the Web

See us at:

www.nesea.org
Click on K-12 Educators
Go to Junior Solar Sprint

Help kids excel in science and math and become problem solvers!
JSS is great in classrooms, afterschool & youth clubs.
Mentor a JSS team
Host a leader workshop
Volunteer at events
Contact us to get involved.

Northeast Area Race Event Coordinators

Your students can compete against teams from other schools at area events. If there is none near you, consider starting one!
Inquire at NESEA about what is involved.

Connecticut

Connecticut State
Jeff Bechard, 860-225-6395
jkbechard@aol.com

Fairfield County (Prospective)

Amar Gada, 203-223-9251
amar_gada@hotmail.com

Delaware

Delaware State
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Jacqueline.Bryant@state.de.us

Maine

Maine State
Peter Zack, 207-625-7833
Peter@meepnews.org

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Cape and Islands

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megan@reliance.org

Eastern MA Area

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hkv@solarwave.com

West Central MA

Richard Mindek, 413-796-2215
rmindek@wnec.edu

New Hampshire

Concord Area (NEW 2011)

Tom Minnon, 603-505-6048
tminnon@comcast.net

Keene-Monadnock Area

Susie Spikol, 603-525-3394
spikol@harriscenter.org

Upper CT River Valley NH-VT

Jennifer Tate, 774-278-1473
tatester@gmail.com

New Jersey

Bergen County Race
Doug Deubel, 201-833-9600
ddeubel@tccsnj.org

New Jersey Inter-County

Cindy Reuther, 973-267-7600
CReuther@TransOptions.org

Somerset County

Susan Cooper, scooper@warrentboe.org

New York

Albany-Adirondack (NEW-prospective)

Jeff Gargano, Gargano_j@argylecsd.org

Buffalo Area

Carl Berger, 716-655-1809
jssbuffalo@yahoo.com

Lower Hudson - Seeking a new coordinator.

Long Island (NEW - 2011)

CarolAnn James, cjames@mail.nasbores.org

Manhattan, NYC – Solar One (NEW - 2011)

Sarah Pidgeon, 212-505-6050
sarahpidgeon@gmail.com

Otsego County Area (NEW-prospective)

Paul Agoglia, pagoglia@stny.rr.com

Southern Finger Lakes

Bob Walters, 607-257-2527
bwalters@twcny.rr.com
Dave Buchner, NYSTSA JSS
dbuchner@icsd.k12.ny.us

Pennsylvania

North Allegheny Area (NEW 2011)

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RGebrosky@northallegheny.org

Philadelphia Area

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joegbruno@comcast.net

Rhode Island

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Washington, DC & Maryland

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garlow.charlie@epamail.epa.gov

Maryland Area (NEW-prospective)

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