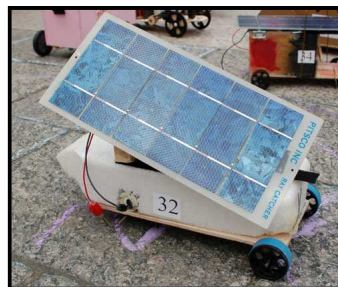
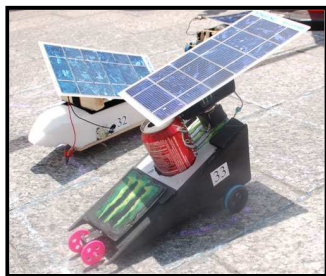




# Junior Solar Sprint

## 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.

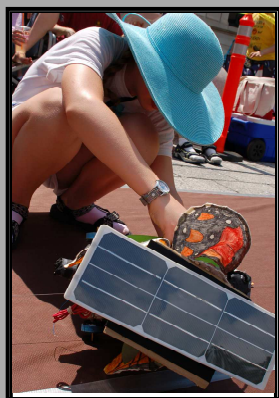
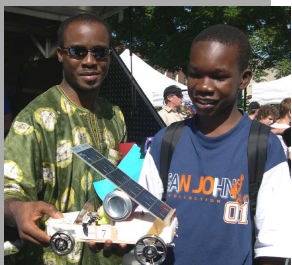
Interdisciplinary and hands-on, it has a much different feel from textbook work or even traditional science labs. There's no single correct solution and kids learn first-hand if they need to return to the drawing board and rebuild for improved car performance.

*"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](http://www.nesea.org)  
Follow links to Junior Solar Sprint through K-12 Education
- Questions? [sreyes@nesea.org](mailto: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](http://www.shop-pitsco.com) 1-800-358-4983  
[www.solarworld.com/Junior\\_Sprint.htm](http://www.solarworld.com/Junior_Sprint.htm) 719-635-5125

### More resources:

- [www.nrel.gov/education/jss\\_hfc.html](http://www.nrel.gov/education/jss_hfc.html)
- [SchoolPowerNaturally.org](http://SchoolPowerNaturally.org)
- [www.planetconnecticut.org](http://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](http://www.energyteachers.org)

Coordinated by the Northeast Sustainable Energy Association (NESEA) with Major Funding from the US ARMY



**Northeast Sustainable Energy Association  
NESEA**

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413-774-6051 x27

**Fax:** 413-774-6053



We're on the Web

See us at:

**[www.nesea.org](http://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 Race*  
Jeff Bechard (860)-225-6395  
jkbechard@aol.com

*Fairfield County Race*  
Ashish Maru (203)-981 9883  
maru3e8@gmail.com

**Delaware**

*Delaware State Race*  
Charlie Smisson (302) 735-3480  
charlie.smisson@state.de.us

**Maine**

*Maine State Race*  
Peter Zack (207) 625-7833  
Peter@meepnews.org

**Massachusetts**

*Berkshire Hudson Area Race*  
Cynthia Grippaldi  
(413) 445-4556 x25  
cynthiag@cetonline.org

*Cape and Islands*  
Megan Amsler, (508) 457-7679  
megan@reliance.org

*Eastern MA Area Race*  
Henry Vandermark,  
(617) 242-2150  
hkv@solarwave.com

*West Central MA Race*  
MaryAnne Berselli, mbersell@wnec.edu  
(413) 782-1272

**New Hampshire**

*Upper CT River Valley NH-VT*  
Jen A Tate, 774-278-1473  
Jennifer.A.Tate@Dartmouth.edu

*Keene-Monadnock Area*  
Susie Spikol, (603) 525-3394  
spikol@harriscenter.org

**New Jersey**

*New Jersey Inter-County*  
Includes Several Northern NJ  
County Events  
Cindy Reuther, (973) 267-7600  
CReuther@TransOptions.org

*Bergen County*  
Craig Messmer, (201) 833-9600,  
cmessmer@tccsnj.org

**New Jersey (cont.)**

*Somerset County*  
Contact: Susan Cooper, 908-753-5300  
x6055, scooper@warrentboe.org

*Middlesex County*  
Contact: Ed Ronk, eronk@metboe.k12.nj.us

**New York**

*Albany-Adirondack*  
Jeff Gargano, Gargano\_j@argylecsd.org

*Buffalo Area*  
Carl Berger, (716) 655-1809  
jssbuffalo@yahoo.com

*Lower Hudson*  
William J. Rock  
WJRVC@aol.com (914) 277-3399 x650

*New York City/Long Island*  
CarolAnn James,  
cjames@mail.nasboecs.org

*Southern Finger Lakes*  
Bob Walters, (607) 257-2527  
bwalters@twcnny.rr.com

**Pennsylvania**

*Philadelphia Area Event*  
Contact: Joe Bruno, (610) 639-1813  
joegbruno@comcast.net

*Pittsburgh Area Event*  
Sibel Deren Gular  
s.deren.g@gmail.com

**Rhode Island**

*Rhode Island State Race*  
Elisabeth Bux, (401) 228-7930  
elisabeth@apeiron.org

**Vermont**

*Upper CT River Valley NH-VT*  
Jennifer.A.Tate@Dartmouth.edu

*Northern Vermont*  
Mike Thomas, (802)-878-2762 x5766  
THOMASM@wsdvt.org

**Washington, DC & Maryland**

*Washington Area Race*  
Charlie Garlow, (202) 564-1088  
garlow.charlie@epamail.epa.gov

*Maryland Area Event*  
Jane Hager, exec\_asst@prsea.org