

Arizona Student Solar Competition

April 4, 2009

This is a hands on educational fun project for Middle School students. It generates real interest and excitement! April celebrates the spring sunshine and the date fits Tucson – other parts of Arizona as you desire.

All are invited to Tucson!!!

ORDER FORM – Reserve your place!!!!
MAIL TO – Society of Women Engineers
 PO BOX 2262
 Tucson, AZ 85702

Questions?
 Stacey James, Coordinator
 520-241-3296
 stacey.james@swe.org

Order Early – We need to know! Parts are hard to get!
Orders placed by December 15, 2008 will be shipped by January 5, 2009!
Orders placed after December 15, 2008 won't be shipped until March 2, 2009!
 Pay by PO___ or Ck___ or cancel if necessary.
 Early payment will help our volunteer organization!

Solar Car Kits

The students construct model cars powered by 4 solar cells. A race is held in April with awards for the winners. Kits to construct the cars contain solar cells, motors, wheels, gears, and other small parts. The chassis and body must be constructed by the student. The cars can take on many different forms.

Solar House Kits

The students construct model homes using 4 solar cells to charge a battery which operates the lights in the house. The homes are judged at the April competition with awards for the best and most innovative. Kits to construct the home contain solar cells, battery, lamps and essential parts. The home must be constructed by the student using their own materials.

QTY	DESCRIPTION	COST	SUBTOTAL
	Paks for 10 Junior Solar Sprint Cars	\$150 per PAK	
	Paks for 10 Junior Solar Electric Houses	\$150 per PAK	
	Shipping	\$10 per PAK	
	Training Video	\$5 each	
TOTAL			

Solar Kits are sold in Paks of 10. Sorry, Paks cannot be split.

Please Print

Teacher/Sponsor _____ **Date** _____

School/Club _____

Address _____

City _____ **Zip** _____

School Phone _____ **Home (optional)** _____

PO BOX 2262
Tucson, AZ 85702

Attention Science Teachers
ARIZONA STUDENT SOLAR COMPETITION
for Middle School Students
Sponsored by the
Society of Women Engineers

Join us at the Arizona Student Solar Competition celebrates 18 years in Arizona! This program introduces students to Engineering and Science through interesting and exciting projects. The Solar Cars and Solar Homes are lots of fun and are based on the application of sound physical principles.



Solar Electric Cars and Houses

Designed and constructed by the students, these are real world engineering projects in model form. The kits contain solar cells, motors, batteries, lights (which must be used to make the competition fair) and other optional parts. Material to create the car and house structure are student supplied. The term “house” is loosely applied and can cover innovative units of many types. The design and the construction is “left to the ingenuity of the student”!

<http://www.swe.org/regionB/b007/solar.html> for this form and lots of other information!

www.nrel.gov/education --- This DOE web site has great information!

Go to “Special Events”, then to “Junior Solar Sprint”

Note that Arizona students build their solar panels using solar cells!

The Arizona program also includes Solar Electric Homes!