



## **WEST CENTRAL FLORIDA ENERGY WHIZ**

**When** Saturday, March 28, 2020 9:00 am to 3 pm (Sign in: 8:30 – 9:30)

**Where** McLane Middle School 306 N. Knights Ave Brandon, FL 33510 <http://mclane.mysdhc.org/>

**Who** Grades 4 through 12

**Registration** Free

### **Junior Solar Sprint (JSS)**

- Design and race a model solar car
- Tech inspection and judging for JSS cars will be 9:00 - 10:30. JSS race will start at 11:00. All cars that pass tech inspection will race.
- Yellow Division 4<sup>th</sup> to 6<sup>th</sup> grade Orange Division 7<sup>th</sup> and 8<sup>th</sup> grade.
- Awards for first and second in each division. Award for best overall design (must have an engineering notebook for design award)

### **Solar Cook-off**

- Design a solar cooker and develop a tasty recipe to cook in it
- Teams of 2 – 5 students: Elementary, Middle and High school divisions
- Awards for 1st and 2nd in each division for Cooker design and Culinary (recipe and taste).

### **Critter Comfort Cottage (Grades 4th – 12th)**

This event is a real-world engineering and communications challenge. Students use green building design and construction techniques to create an energy-efficient, cost-effective, comfortable “home” for a critter. Teams must also create a marketing plan that describes the features and benefits of their comfort cottage for the critter they have selected.

**Check this link for rules** <https://energyresearch.ucf.edu/education/k-12/energywhiz/#jss>

How: Organize student teams according to the events above and have teams select a team name and a captain

**1st place teams also qualify for free registration at the Florida Solar Energy Center’s Energy Whiz Apr 25 in Cocoa Fl.**

**To register teams email me at** [michaele.wilson@sdhc.k12.fl.us](mailto:michaele.wilson@sdhc.k12.fl.us) Provide the event, grade, and number of students per team.

- Photo release forms will be at the event