



# ENERGYWHIZ

## Empowering Student Innovation for a Clean Energy Future



**FSEC Energy Research Center**  
1679 Clearlake Road  
Cocoa, FL 32922

**EnergyWhiz** is a forum for students to demonstrate their science, technology, engineering, art and mathematics (STEAM) capabilities through project-based learning activities that are energy-focused.



**Virtual: February 14-18, 2022**  
**On Location: April 30, 2022**

Grades 3-12



### Critter Comfort Cottage

Students' design, construct and market energy-efficient, eco-friendly pet homes for any critter of their choosing.

Grades 3-12+



### Energy Innovations

Student teams design, engineer and market full-scale, renewable energy-powered devices that have real world applicability.

Grades 3-12



### Energy Transfer Machine

Teams transform materials into Rube Goldberg-type machines that perform a specified task and then submit a video of their success.

K-12 Grades



### Energy Inspired Art

Create any media, technique, visual, performance, musical or literary art inspired by renewable energy, energy efficiency or climate science.

Grades 4-8



### Junior Solar Sprint

Each team produces a model-sized solar-powered car that is judged on technology, craftsmanship, innovation and performance.

Grades 3-12



### Solar Energy Cook-off

Combining engineering, construction and culinary arts, students design, build and then use their cooker, to produce an original dish.

Hosted by  **FSEC Energy Research Center**

UNIVERSITY OF CENTRAL FLORIDA

In partnership with



[www.energywhiz.com](http://www.energywhiz.com)