EnergyWhiz: Where Students Shine and Solar Reigns!

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ASES Conference

June 24, 2020
Overview

- FSEC Background
- K-12 Education at FSEC
- What is EnergyWhiz?
- Benefits of EnergyWhiz
- Lessons Learned
FSEC Mission:
to research and develop energy technologies that enhance Florida’s and the nation’s economy and environment, and to educate the public, students and practitioners on the results of the research.
K-12 Education Goal:
Share the results of FSEC research to increase energy literacy.
STEAM-EE Ingredients

- SCIENCE
- TECHNOLOGY
- ENGINEERING
- ART
- MATHEMATICS
- ENERGY
- ENVIRONMENT
Tiered Learning Approach

Outreach Events

Professional Development

Curriculum & Materials
EnergyWhiz at FSEC

www.fsec.ucf.edu/go/energywhiz
EnergyWhiz Expos

- Boca Raton
- Gainesville
- Orlando
- Parrish
- St. Petersburg
- Tallahassee
- Tampa

Regional EnergyWhiz Expos
EnergyWhiz

FSEC Energy Research Center
Benefits of EnergyWhiz

Inspires creativity

Showcases renewable energy technologies & careers

Involves teamwork & problem-solving

Educates the public about important issues

Builds workforce & leadership skills

Creates opportunities for expanded learning

Fosters dialogue between students, scientists and industry experts

It’s FUN!
Lessons Learned

- Partnerships are vital!
- Hands-on, project-based learning requires time
- Recognize and reward effort and excellence
- Align curriculum and materials with science standards
- Educators want opportunities to learn unfamiliar content
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For more information

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