

# EnergyWhiz: Where Students Shine and Solar Reigns!

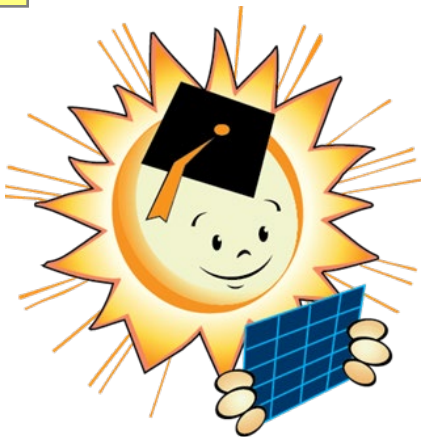
Susan Schleith  
  
*ASES Conference*

June 24, 2020



**FSEC Energy  
Research Center**

UNIVERSITY OF CENTRAL FLORIDA

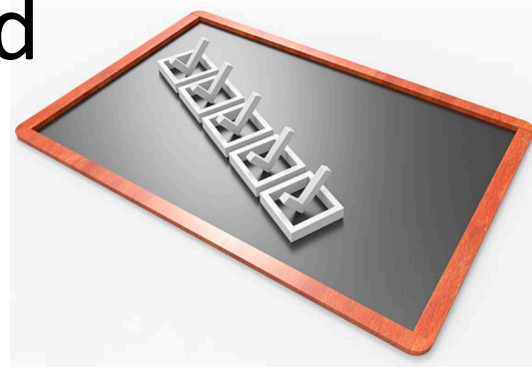


# Overview

- FSEC Background
- K-12 Education at FSEC
- What is EnergyWhiz?
- Benefits of EnergyWhiz
- Lessons Learned



philipmolinario



# Florida Solar Energy Center® (FSEC®)

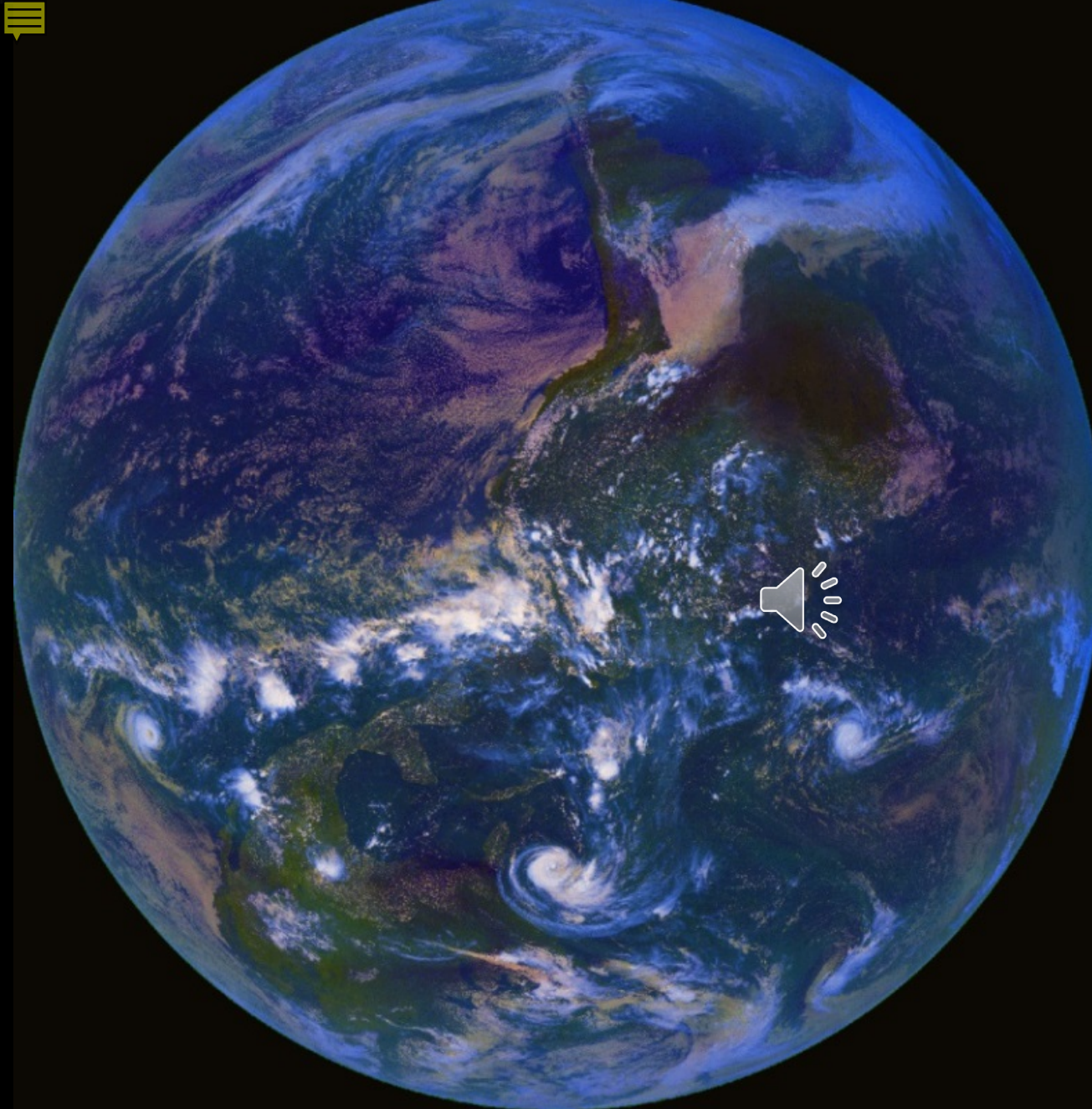


## FSEC Energy Research Center



***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.***





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## **K-12 Education Goal:**

Share the  
results of  
FSEC research  
to increase  
energy  
literacy.

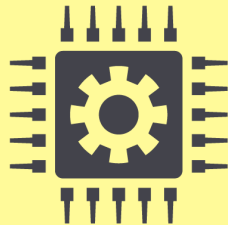
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# STEAM-EE Ingredients



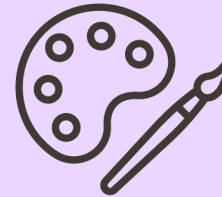
SCIENCE



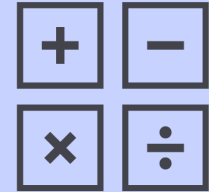
TECHNOLOGY



ENGINEERING



ART



MATHEMATICS



ENERGY



ENVIRONMENT

# Tiered Learning Approach





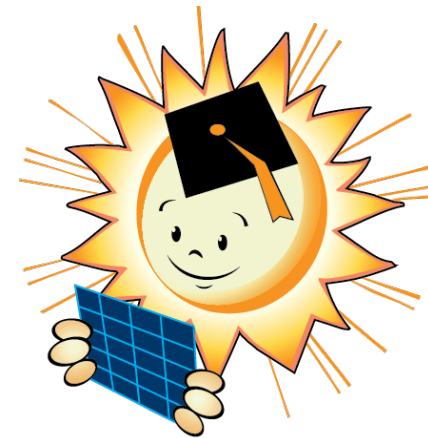
# EnergyWhiz at FSEC



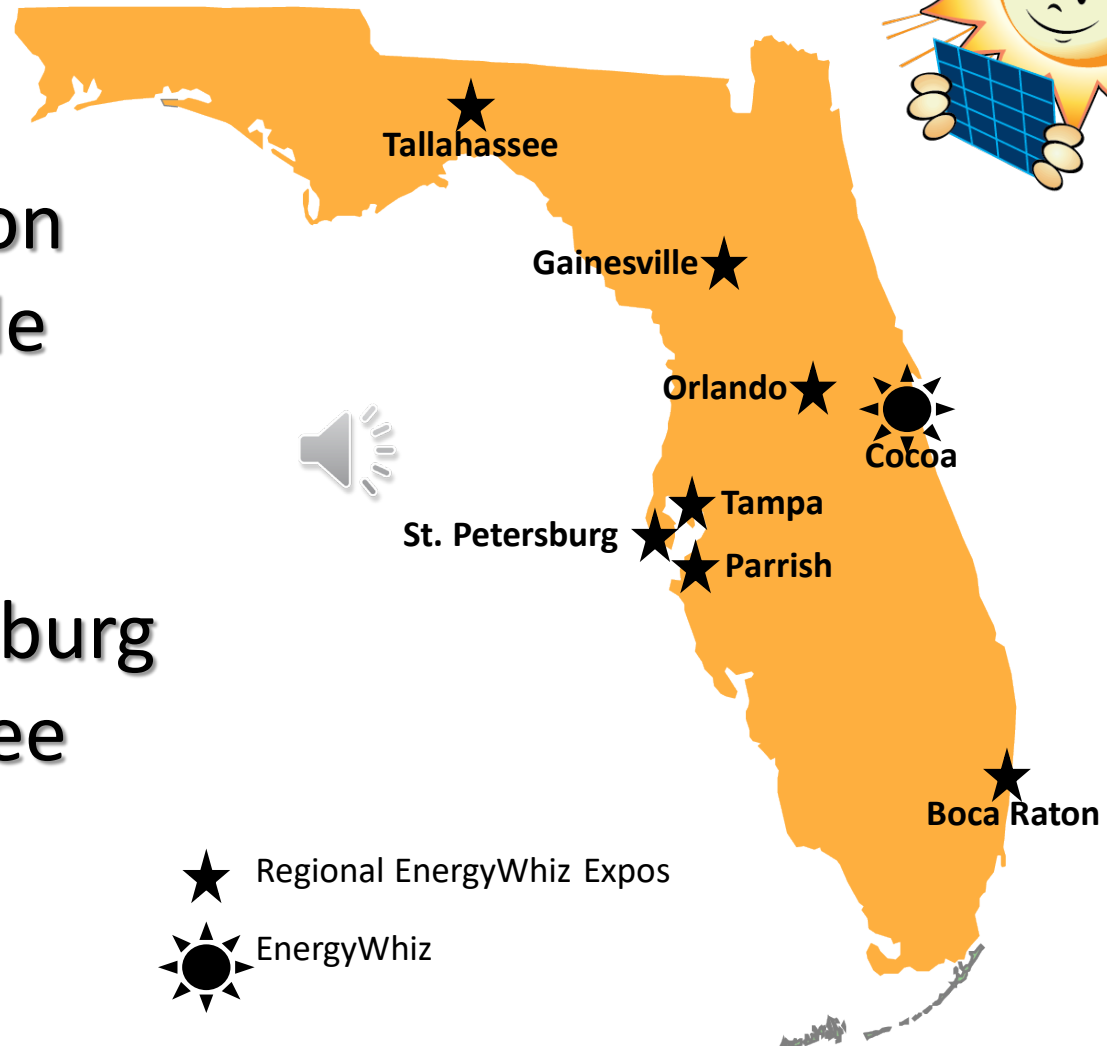
[www.fsec.ucf.edu/go/energywhiz](http://www.fsec.ucf.edu/go/energywhiz)

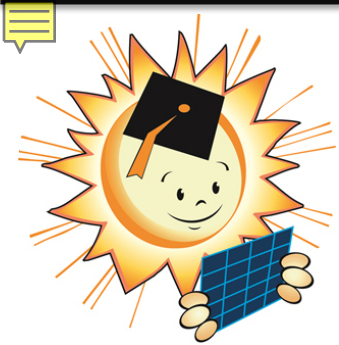


# EnergyWhiz Expos



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





# Benefits of EnergyWhiz

Inspires creativity

Relevant Project-based learning

Builds workforce & leadership skills



Involves teamwork & problem-solving

Educates the public about important issues

Creates opportunities for expanded learning

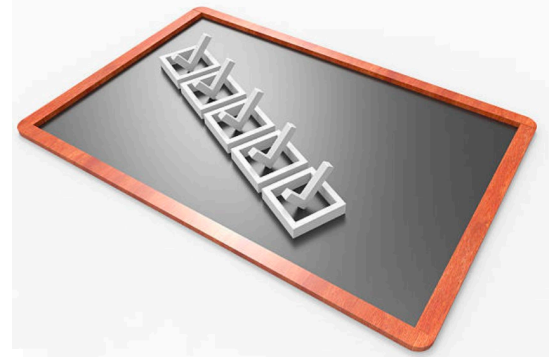


Showcases renewable energy technologies & careers

Fosters dialogue between students, scientists and industry experts

It's FUN!

# Lessons Learned



Partnerships are vital!



Recognize and reward effort and excellence



Hands-on, project-based learning requires time

Educators want opportunities to learn unfamiliar content



Align curriculum and materials with science standards





# For more information

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[www.fsec.ucf.edu/go/energywhiz](http://www.fsec.ucf.edu/go/energywhiz)



UCF

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