



# “Energizing” Students

Elizabeth (Betsy) Yanik  
Emporia State University  
Emporia, KS

# ESU Outreach Programs (our History)

## Initiatives for young women

- Enhancing Your Future with Mathematics and Science (EYF)
- Sonia Kovalevsky Mathematics Day
- MASTER IT: Mathematics and Science to Explore caReers – Investigating Together



# Initiatives for Hispanic Youth

Si Se Puede (9 years)

ESU Summer Scholars(5 years)

Energizing Students(last summer)

# Why develop the Energizing Students outreach program?

Objectives of the program as a whole were:

- To increase Hispanic youth's interest in science and mathematics,
- To foster awareness of career opportunities in mathematics and science-related fields,
- To provide Hispanic youth with an opportunity to meet and form personal contacts with professionals working in mathematics and science-related careers.

# A STEM outreach collaboration between:

- Emporia State University –  
Comprehensive university
- Flint Hills Technical College- technical  
school with a variety of 2 year STEM  
programs

Funding from a Diversity and Education  
grant from Kansas NSF EPSCoR

# Motivation



- To reach out to STEM minorities and show a wealth of STEM opportunities
- Faculty to become more knowledgeable about a “sister” institution

# Program components

- STEM day on each campus:

ESU April 4:



# FHTC May 8:





# Wind energy



# **Energizing Students**

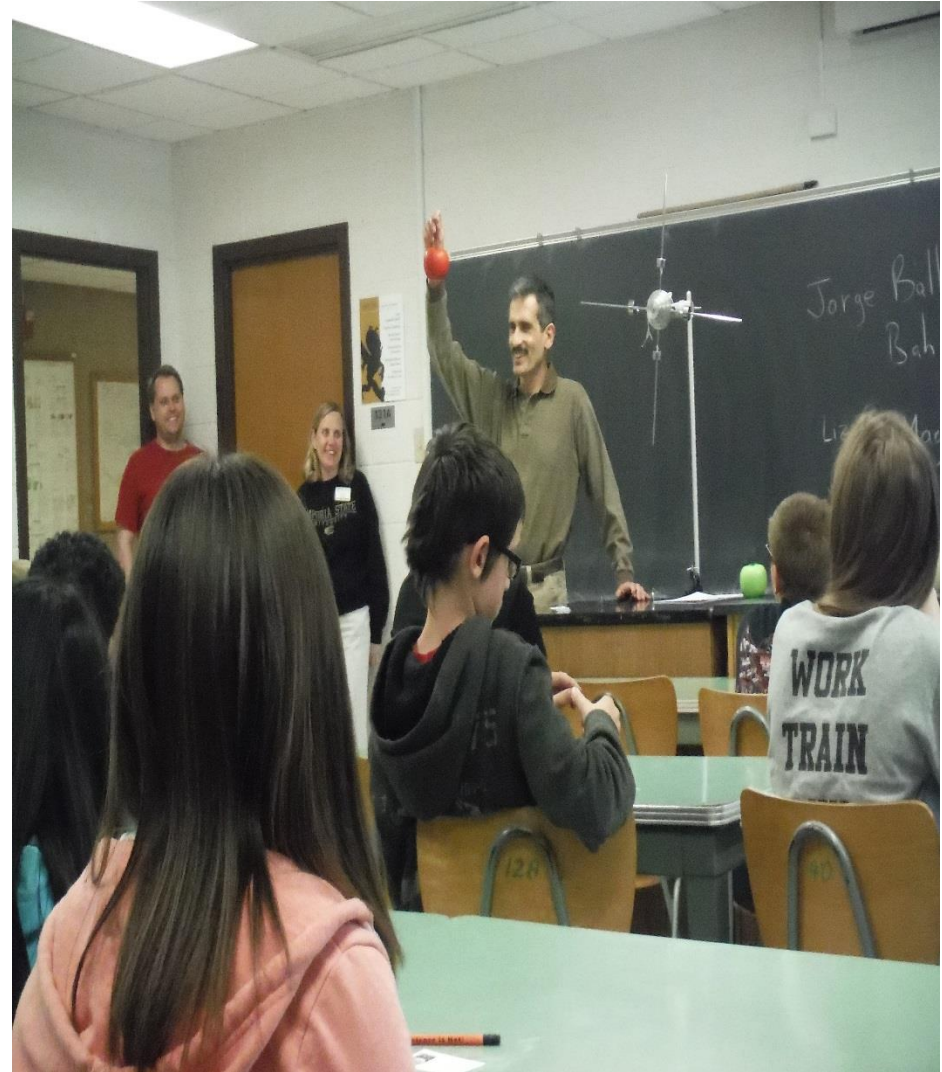
## **(Joint summer STEM Summer camp)**

- Mornings at ESU, Afternoons at FHTC
- Field trips
  - Westar Natural Gas Plant
  - Wolf Creek Nuclear Energy Corporation
- “graduation” Ice cream social

# Additional Activities



# Kinetic energy



# Natural Gas Plant field trip



# Wolf Creek Nuclear Corporation



# Control room



# “Graduation”

