“Quillen Chair Impacting STEM Education”

Center of Excellence in STEM Education
2015 STEM Conference
May 29, 2015
Tennessee Women In STEM Education and Research

ETSU Million Women Mentor Luncheon and Information Meeting held on Friday, November 21, 2014
Plans for Next Year 2015-2016

- Bringing 200 young women to ETSU campus for a STEM Day
- Mentoring interface to monitor and advocate for success in the mentee’s life
  - Ensures that in the case of a mentor leaving the area or one who can no longer act as a mentor the mentee can receive a new mentor
  - Helps past mentees become mentors for incoming young women interested in STEM
ECoSYSTEM: Engaging Communities and Schools for Youth in STEM

“TEAMS”
Technology; Engineering; Arts; Mathematics; and Science

Center of Excellence in Math & Science
College of Arts & Sciences
Clemmer College of Education
Quillen Chair of Excellence in Education
Darwin Day – Gray Fossil Site
Statistics with Dr. Ariel Cintron-Arias
Ecological Succession with Bill Hiatt
Cooking with Chemistry by Dr. Sandy Eagle
Stream Ecology with Dr. TJ Jones
Yeah! Let’s go on a field trip!!!
Elevate Mathematics Tournament

The eight teams of five students in grades 4 through 6 represented five schools/programs at this all day event. Hosted by the Department of Mathematics and Statistics at ETSU, the students had to solve 20 clever, engaging, and challenging problems on a variety of mathematical topics.

Third place was the Insight STEM Youth Program team “The Einsteins”

An Honorable Mention award was also given to Kelsey Rodriguez (Insight STEM Youth Program) as the highest placing 4th grade girl.
Graduation Celebration
What next for STEM Academies?

• Continue working with INSIGHT Training and Education Center (INSIGHT), located at 130 Garden Drive, Johnson City, TN
  • Mission: to provide specific services to low-income citizens and minorities within the underserved neighborhoods of Northeast Tennessee that will promote economic and community empowerment
• Beginning Monday, July 6, 2015 begin 4-week Summer STEM Academy for Middle School Students (ages 10-15)
• Seek additional funding to continue STEM Academy Program
• Expand program to include early elementary children (ages 5-9) “STEAM”
Other Duties...

• Graduate Program Coordinator for MAT degree (current cohort 2014-2016 = 18; incoming cohort 2015-2017 = ~ 22)
• Teaching Education Foundations course for all MAT students
• Teaching undergraduate and graduate Secondary Science Methods
• Modifying program to be completed in one year beginning May 2016
• Recruitment efforts to target 114 STEM senior classes; visited 26 this past year
• Working toward establishing an undergraduate Middle Grades licensure
UNDERGRADUATE SECONDARY EDUCATION MINORS
2008-2014
Please contact me...

- Community outreach
- Grant seeking opportunities
- STEM Professional Development
- Interdisciplinary collaborations

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