Charlotte Teachers Institute
Collaborative Teacher Education

2017
CTI Fellows' Finale Celebration

CTI Teacher Leadership Meeting

Wednesday, January 11, 2017

UNC Charlotte Center City


The Rise
(and Fall) of
Democracies
around the
World

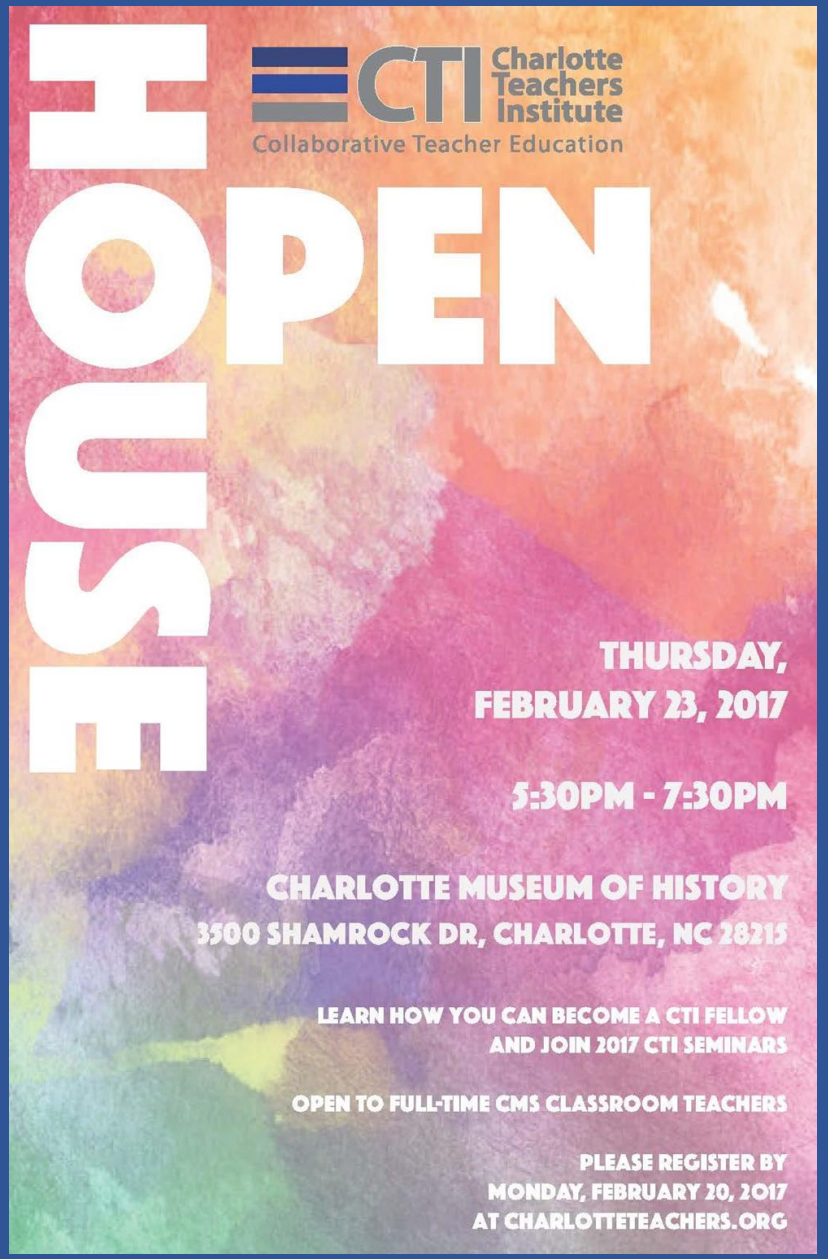

Cultivating
Visual
Literacy


PAPA JOHN'S

Teacher Open House

Thursday, February 23, 2017

Charlotte Museum of History


CTI Charlotte Teachers Institute
Collaborative Teacher Education
OPEN HOUSE
THURSDAY,
FEBRUARY 23, 2017
5:30PM - 7:30PM
CHARLOTTE MUSEUM OF HISTORY
3500 SHAMROCK DR, CHARLOTTE, NC 28215
LEARN HOW YOU CAN BECOME A CTI FELLOW
AND JOIN 2017 CTI SEMINARS
OPEN TO FULL-TIME CMS CLASSROOM TEACHERS
PLEASE REGISTER BY
MONDAY, FEBRUARY 20, 2017
AT CHARLOTTETEACHERS.ORG

Charlotte Teachers Institute
Collaborative Teacher Education

SEMINARS 2017

Using Mathematics to Understand Social Issues
Anthony Fernandes, Mathematics and Statistics, UNC Charlotte

Media and Minorities: Unpacking Stereotypes
Debra C. Smith, Africana Studies, UNC Charlotte

Chemical Interactions in the Body
Erland Stevens, Chemistry, Davidson College

Memorials, Memories, and American Identity
Emily Makas, Architectural and Urban History, UNC Charlotte

Doing Science: Hands-On Learning in the Laboratory
Susan Trammell, Physics and Optical Science, UNC Charlotte

Cultivating Visual Literacy
Maggie McCarthy, German Studies and Film, Davidson College

The Rise (and Fall) of Democracies around the World
Shelley Rigger, Political Science, Davidson College

From Self to Students: Canvassing Art to Explore Identity
Adriana Medina, Reading and Elementary Education, UNC Charlotte
Christopher Lawing, Programming, Bechtler Museum of Modern Art

cms® Charlotte-Mecklenburg Schools

UNC CHARLOTTE

DAVIDSON

Spring Orientation

Thursday, April 20, 2017

Discovery Place


What Does a
CTI Seminar Look Like?
13
Fellows
Engaging
Discussion
Inferential
Discuss
Community
Engagement
Critical
Thinking
PreK - 12
Schools
Diverse
Subjects
Hands-on
Learning
Collaboration
New
Curriculum
Creation
CTI


(and your junk mail!) for details!
REGISTER TOMORROW


CTI
Charlotte
Teachers
Institute
Collaborative Teacher Education
Content Knowledge
Creativity
Collaboration
Leadership
EXIT
EXIT


EXPLORE
MORE STUFF


Why do you need to build a shelter?


COOL STUFF

Charlotte Knights Baseball Game

June 2017

Duke Energy Suite


Centennial


CHARLOTTE
NINERS

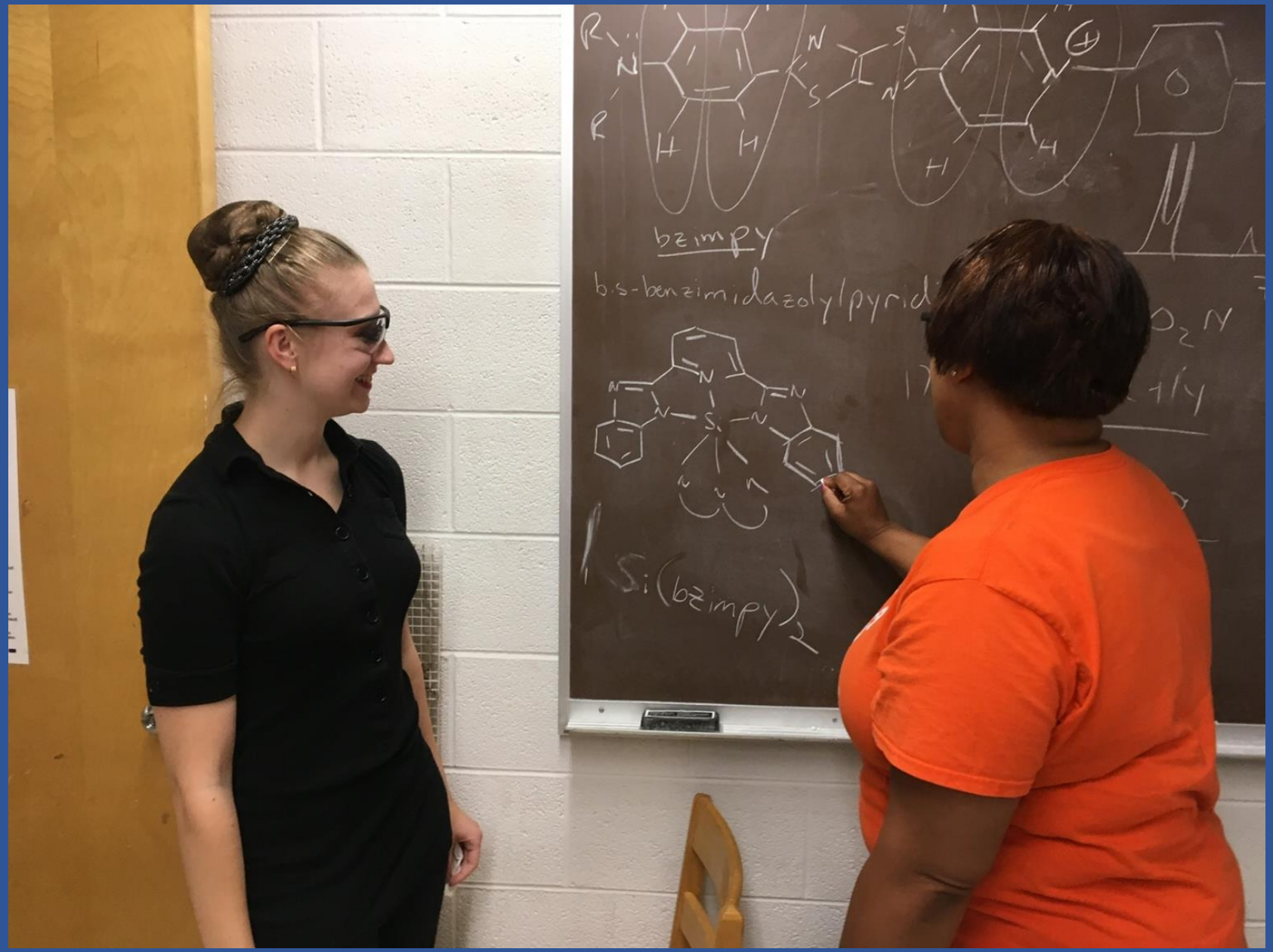

Restrooms
Suite
49ERS

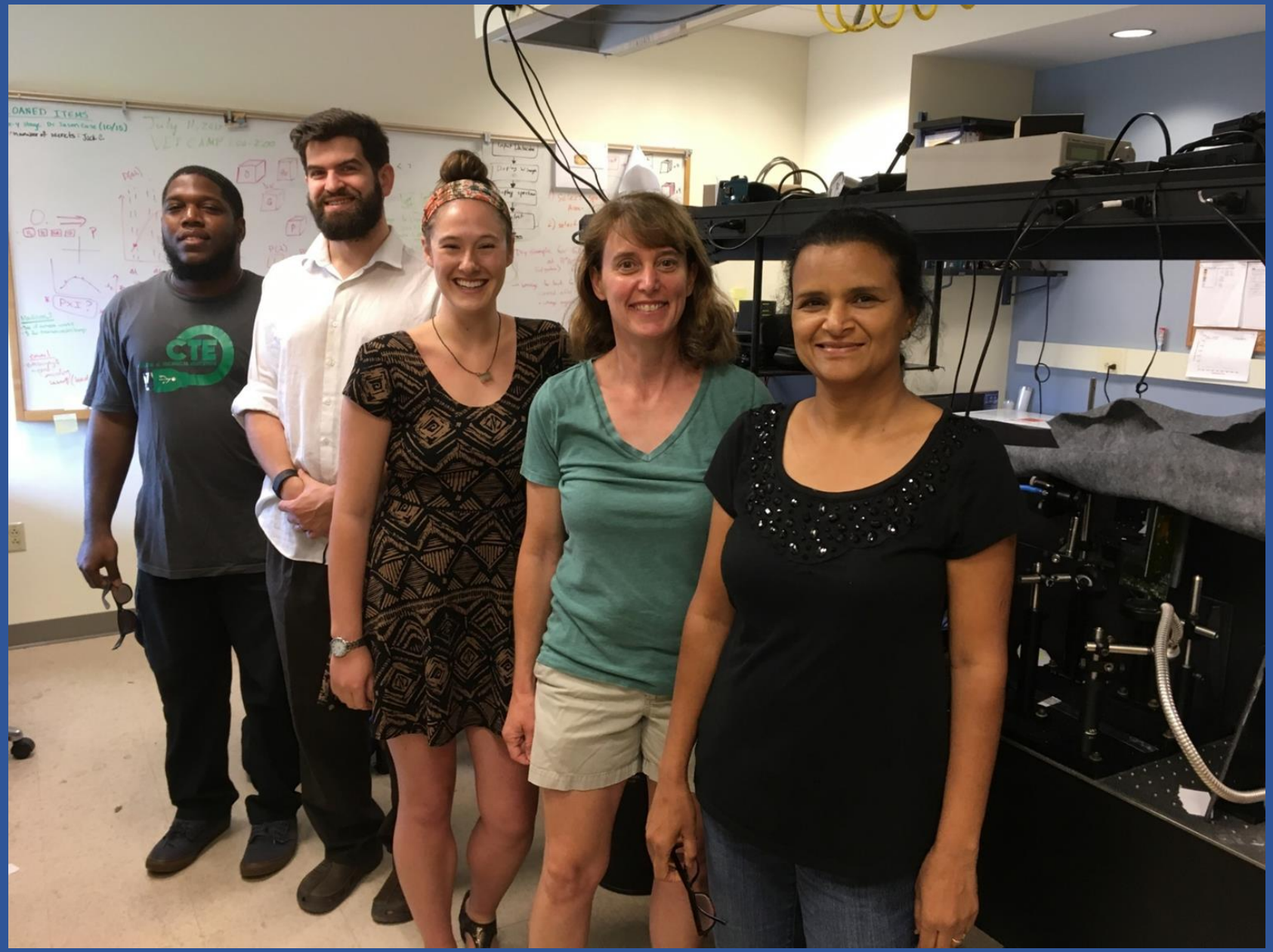
Summer Research Experience for Teachers

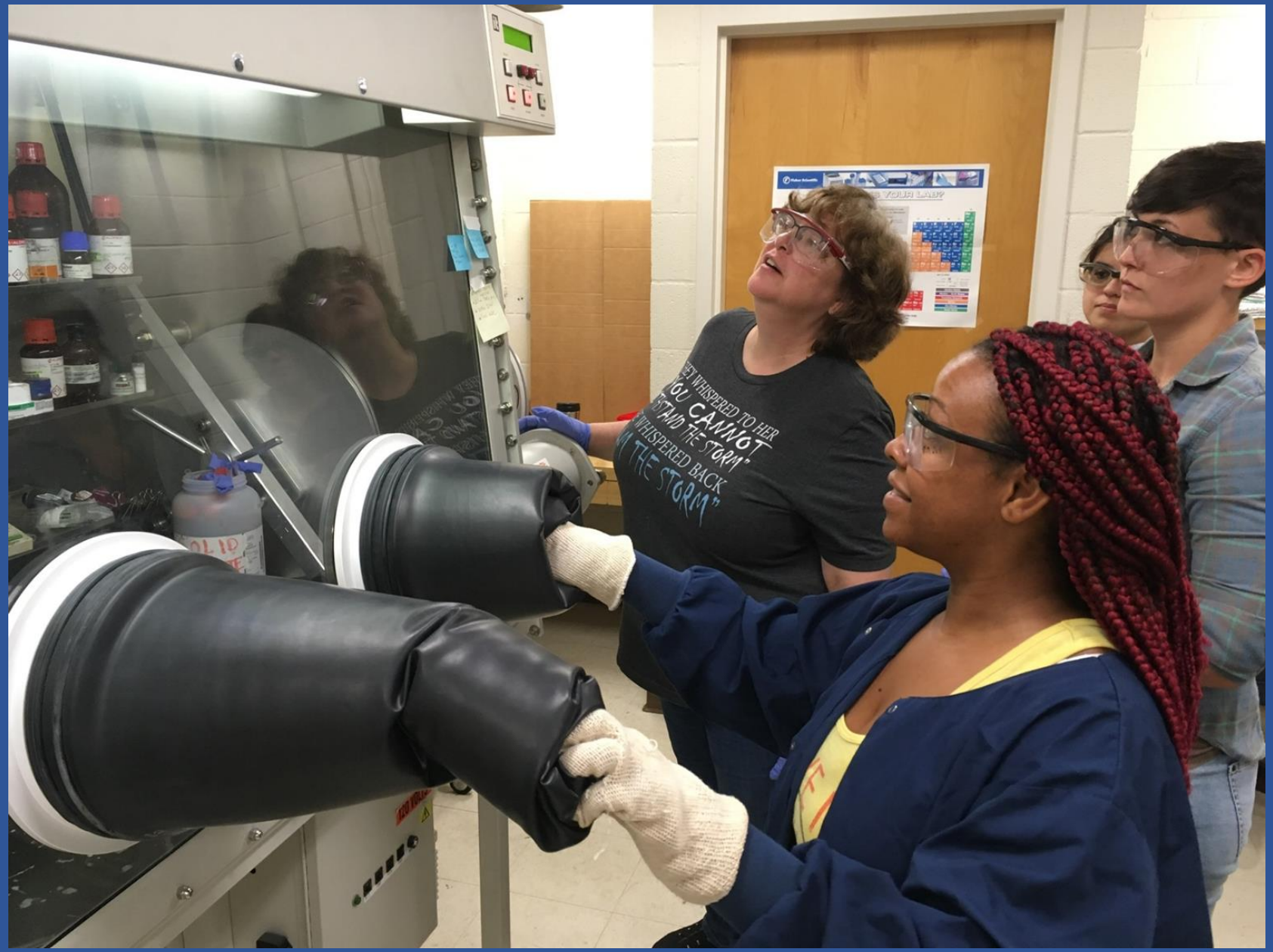
June, July and August 2017

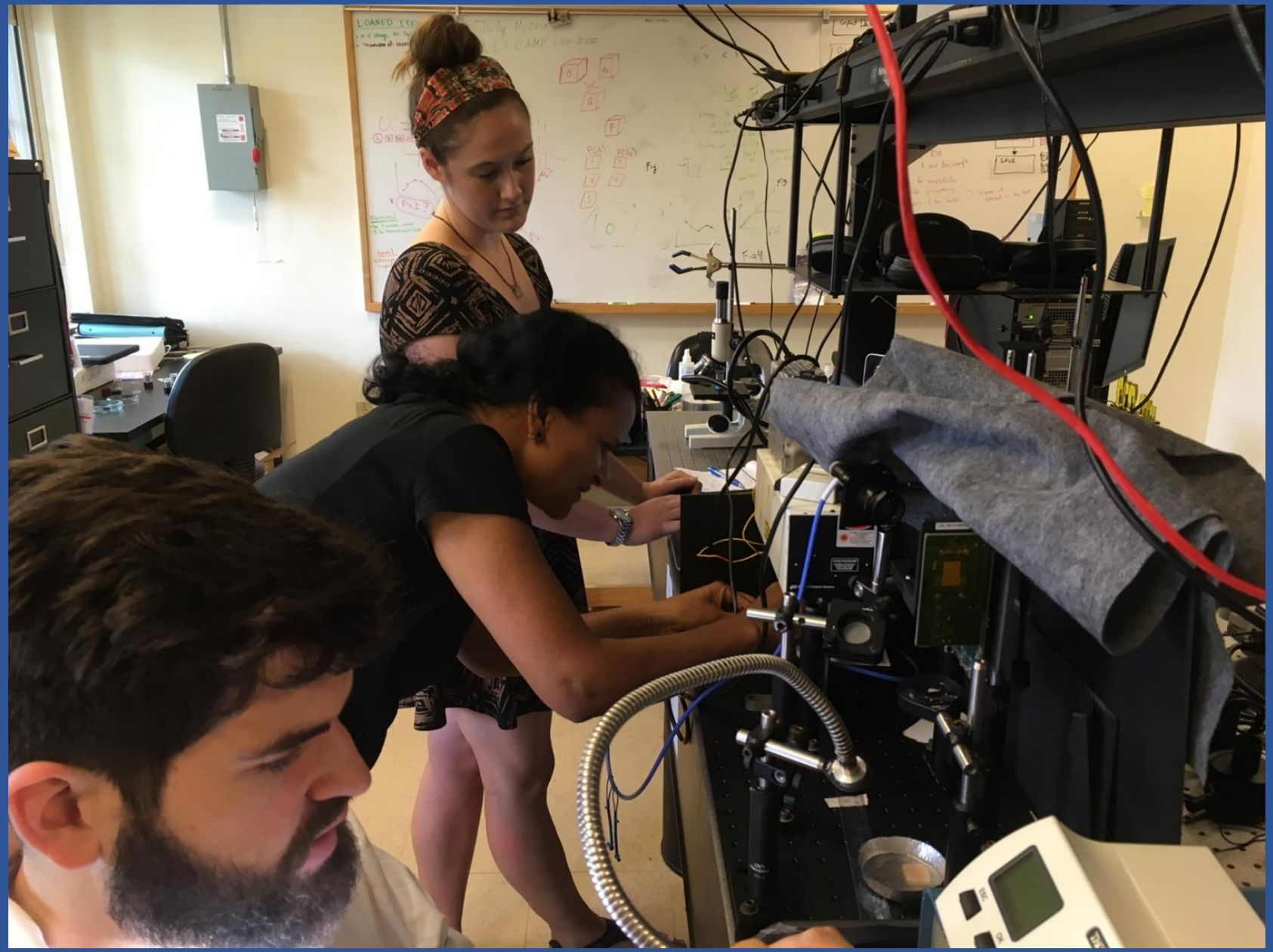
UNC Charlotte and Davidson College

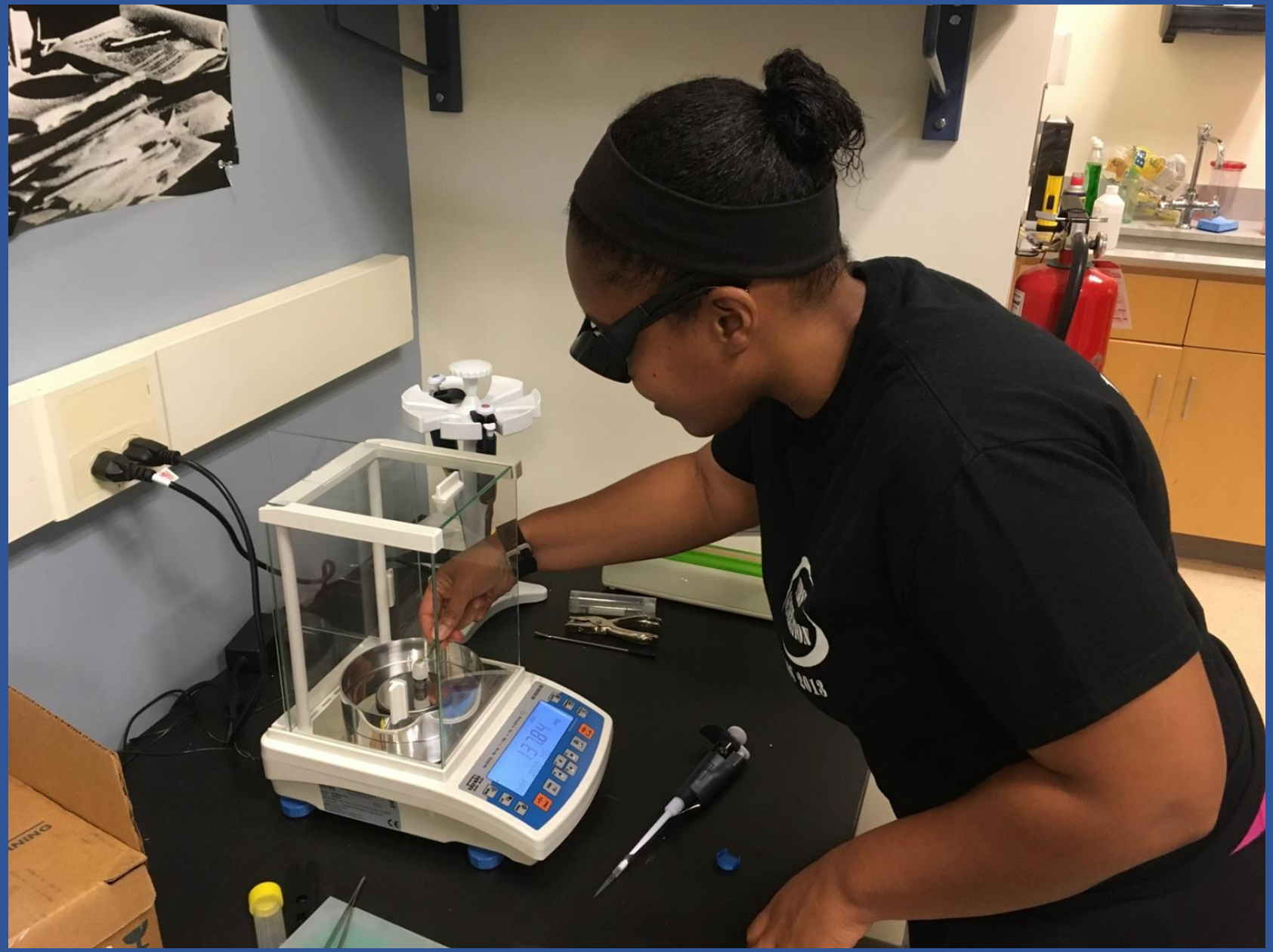

Fluorolog


bzimpy
bis-benzimidazolylpyrid
Si(bzimpy)2


CTE


WHISPERED TO HER
CANNOT
THE STORM"
WHISPERED BACK
THE STORM"






WARENESS
ATHLETIC DEPT.

Equal Justice Workshop

Tuesday, August 15, 2017

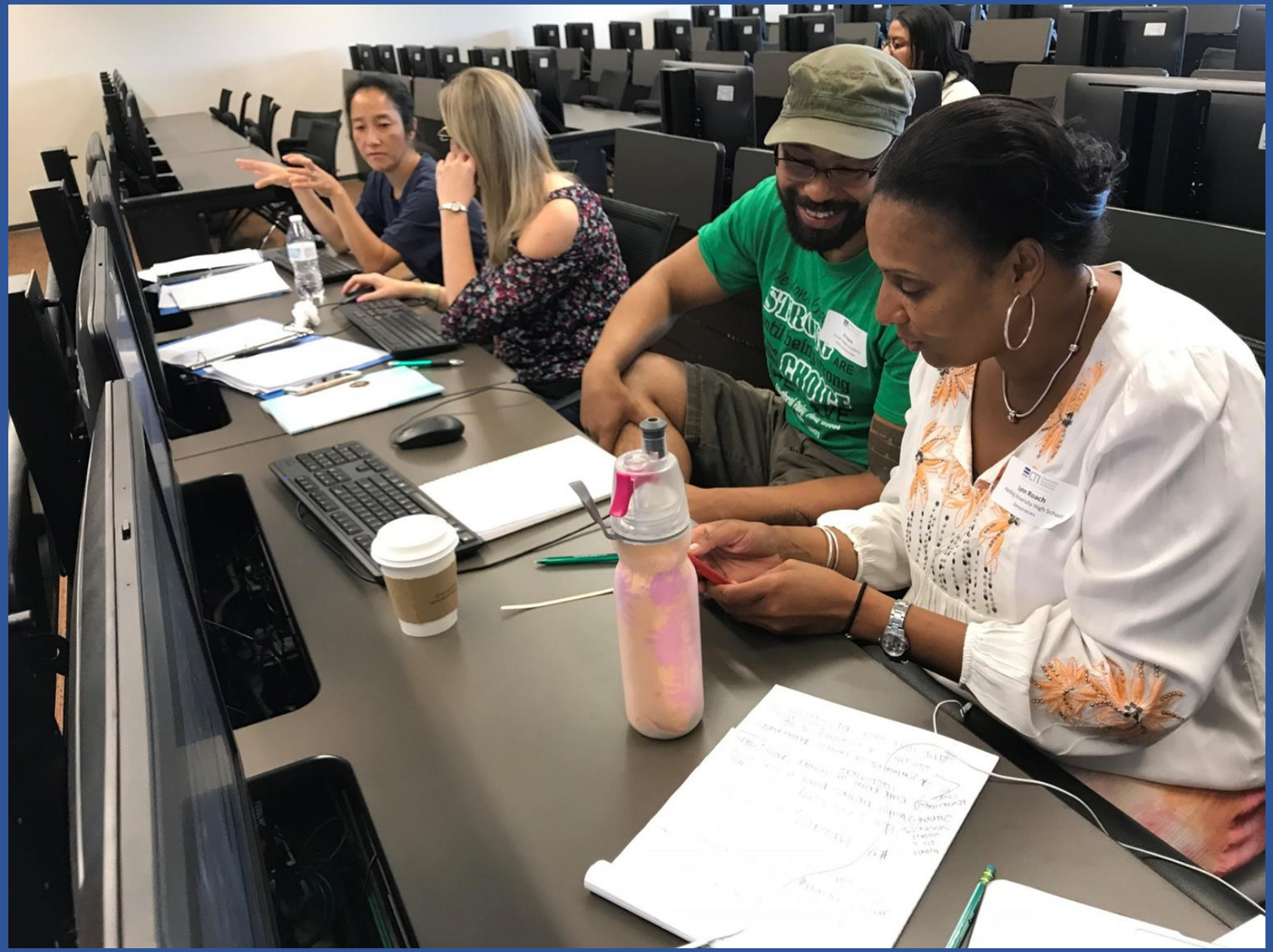
Greenspon Center for Peace and Social Justice,
Queens University

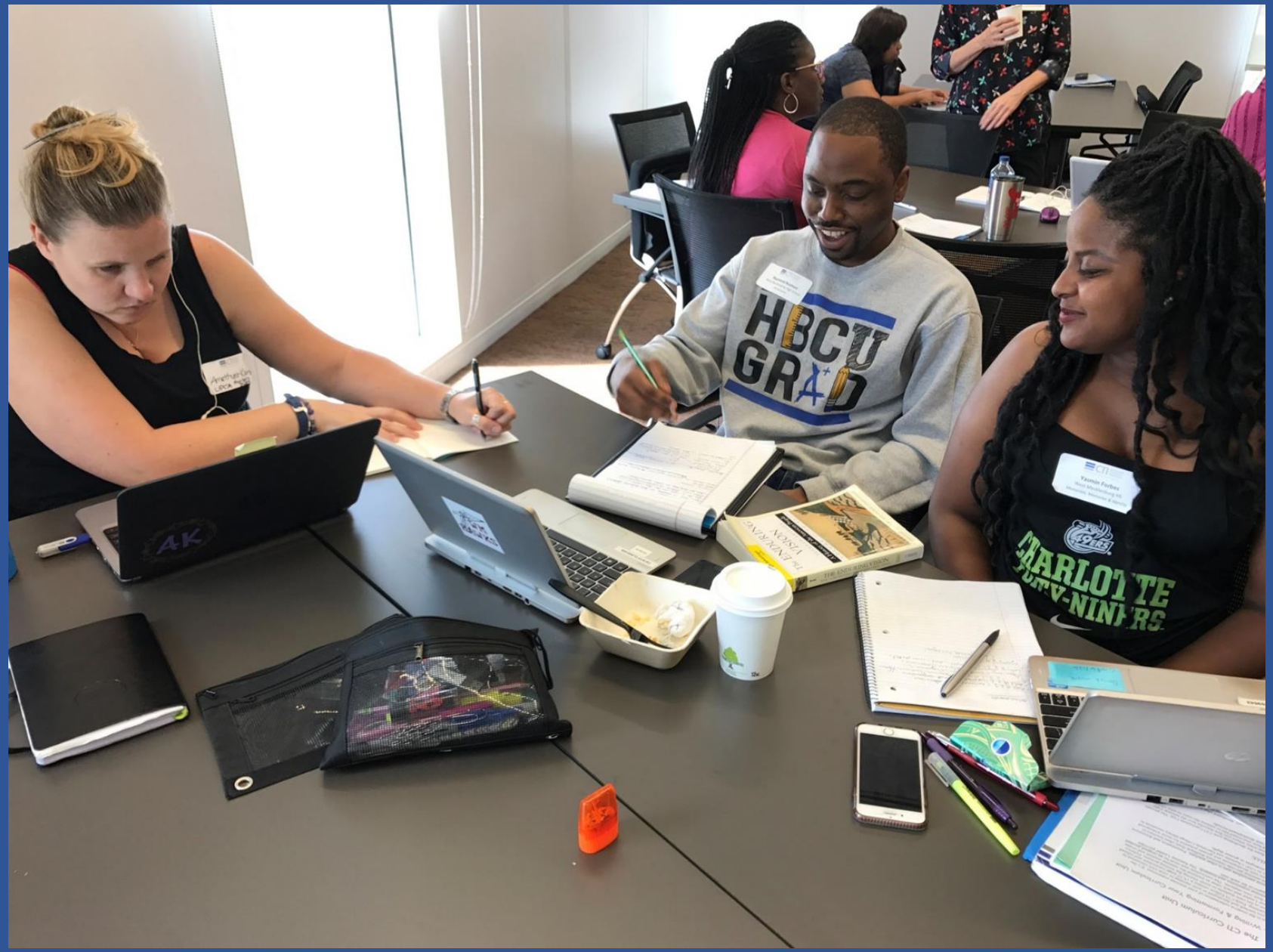

BRILLIANT
BLACK
GIRL
Faith

Curriculum Unit Writing Jams

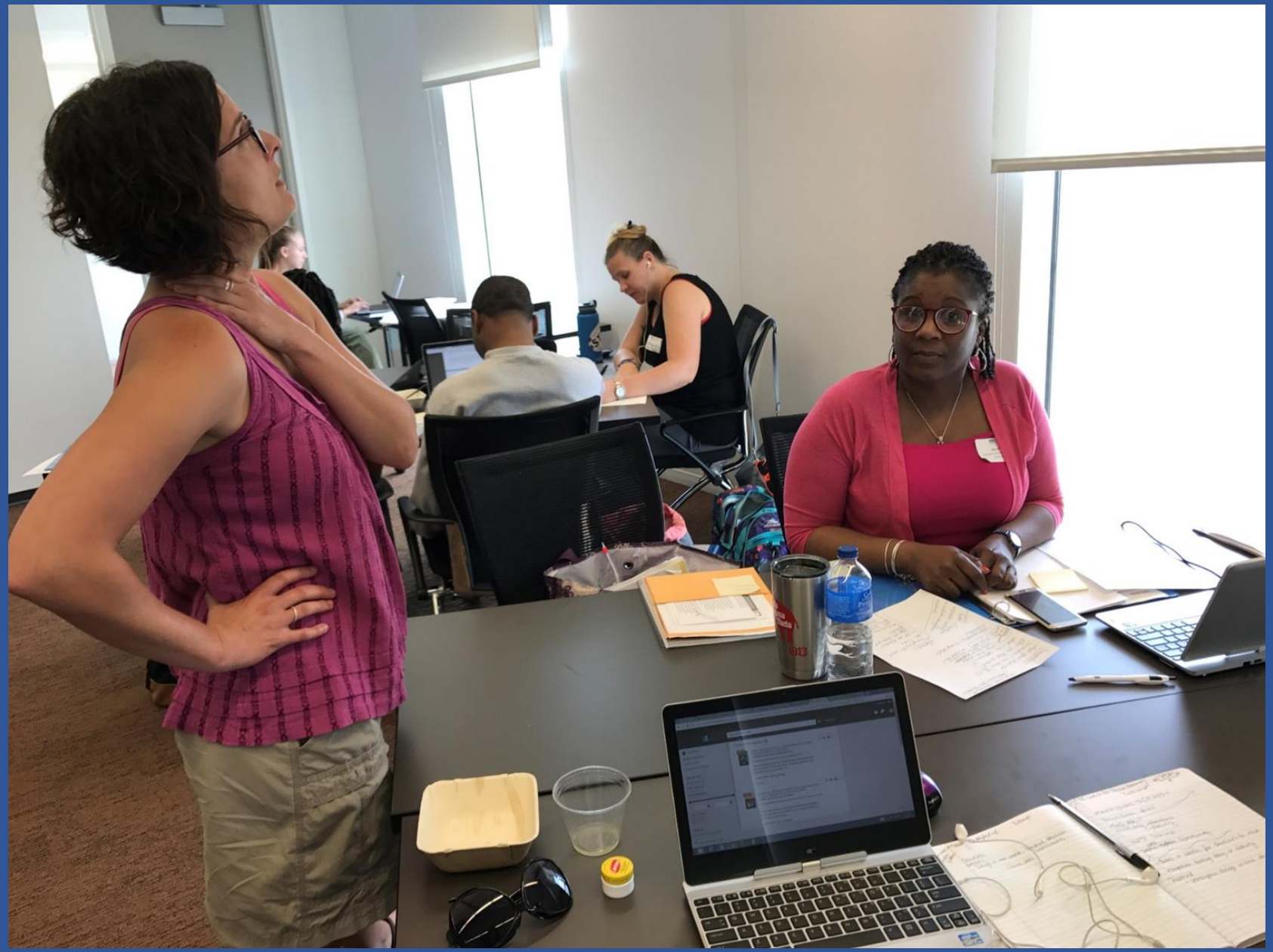
May, September and October 2017

UNC Charlotte Center City




HBCU
GRAD
CHARLOTTE

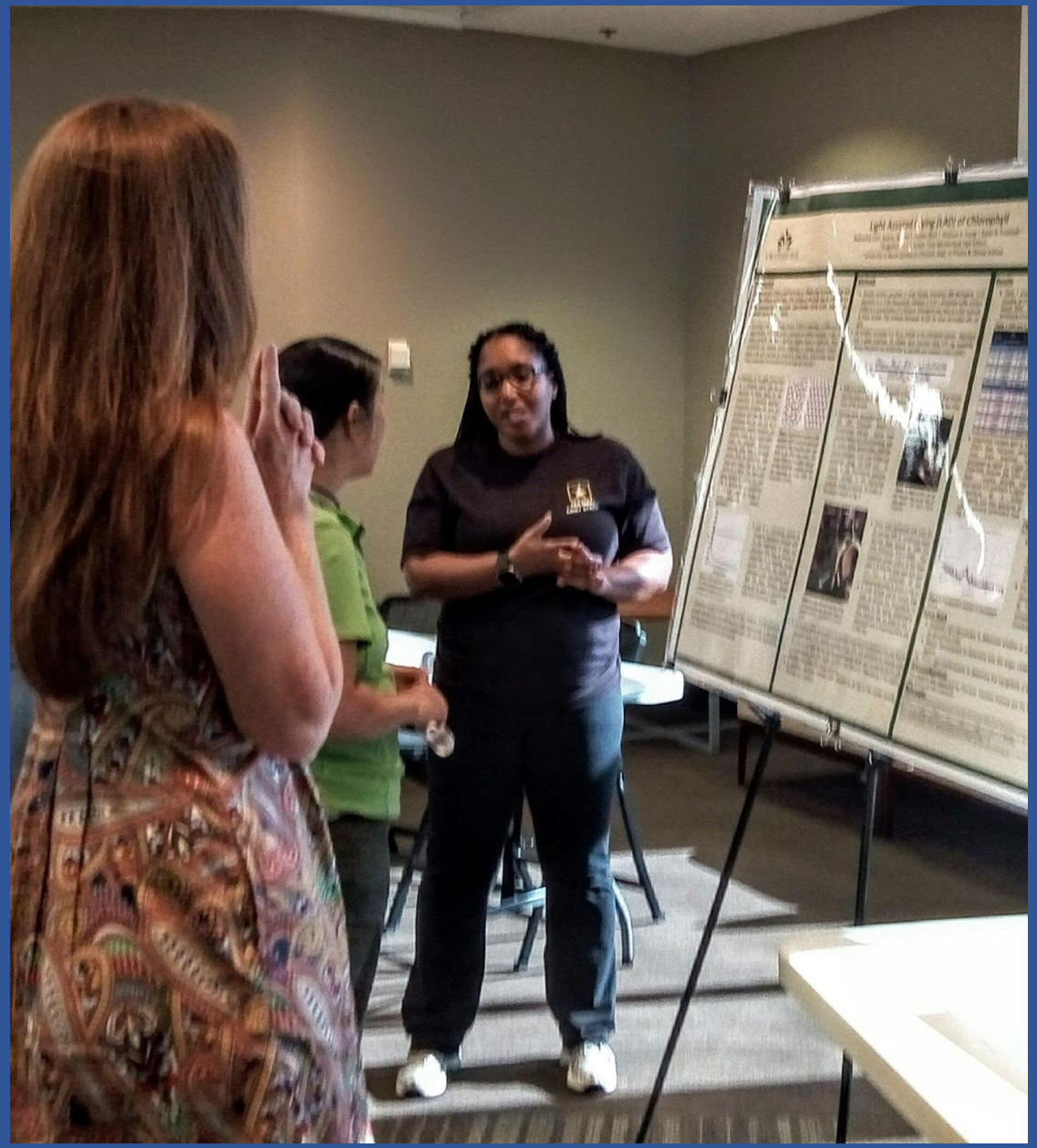

MY BUCKS go
round your bike
MAY THE FORCE
BE WITH YOU.
#bikeGLT

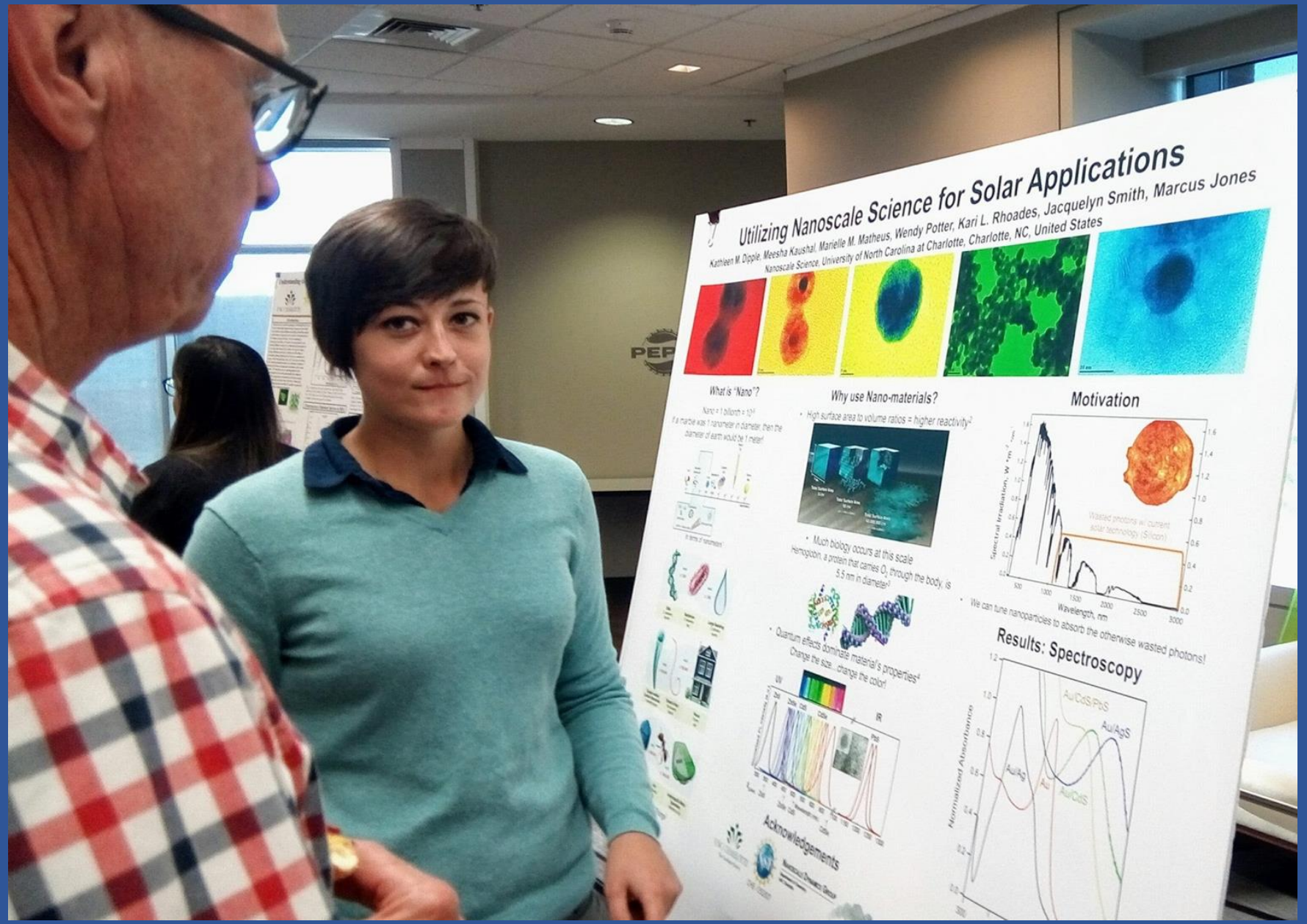


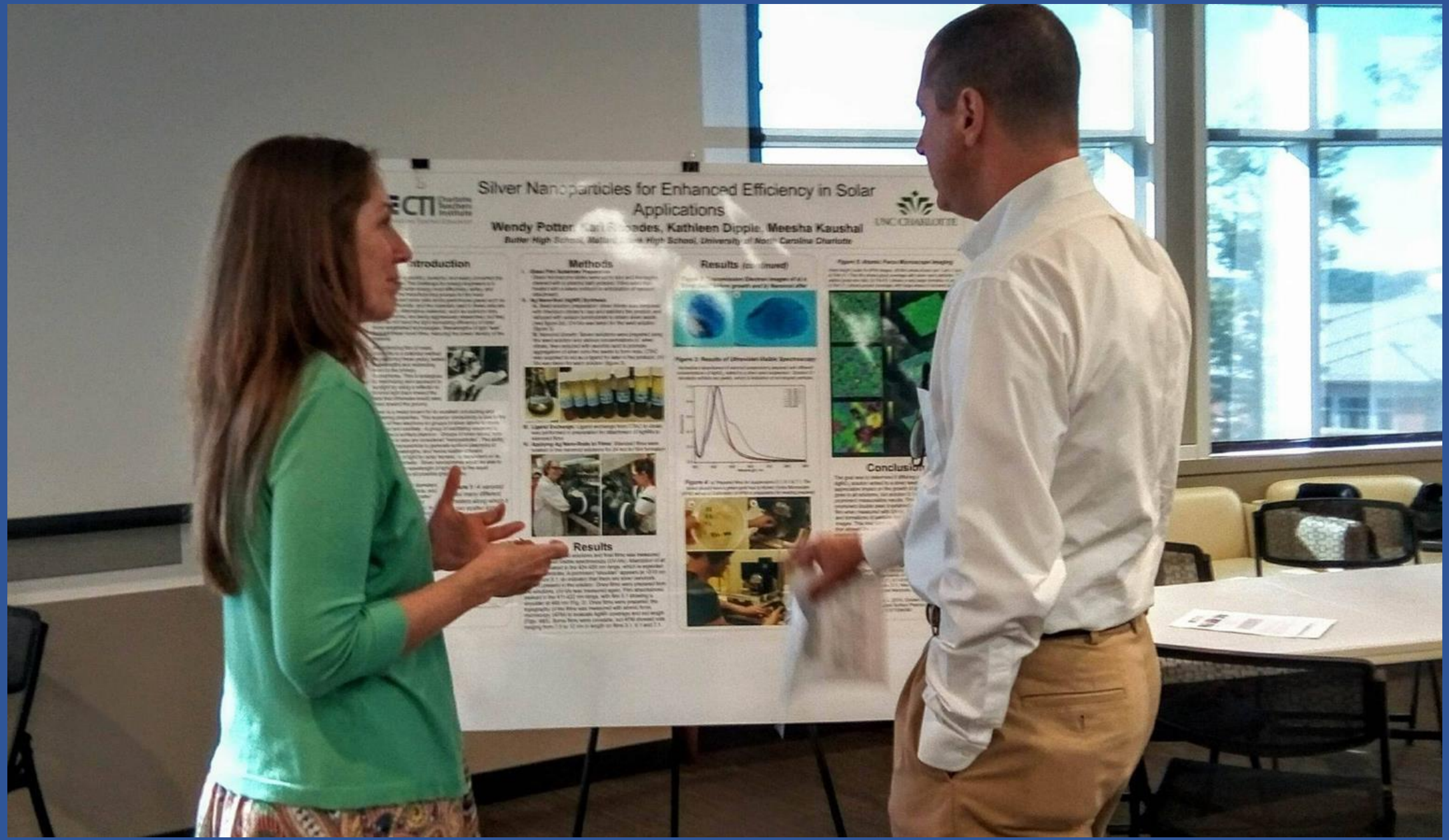
CTI Science Research Reception

Thursday, September 7, 2017
Halton Reading Room, Atkins Library
UNC Charlotte


Investigation of Optical Properties of Silver Nanorod Films



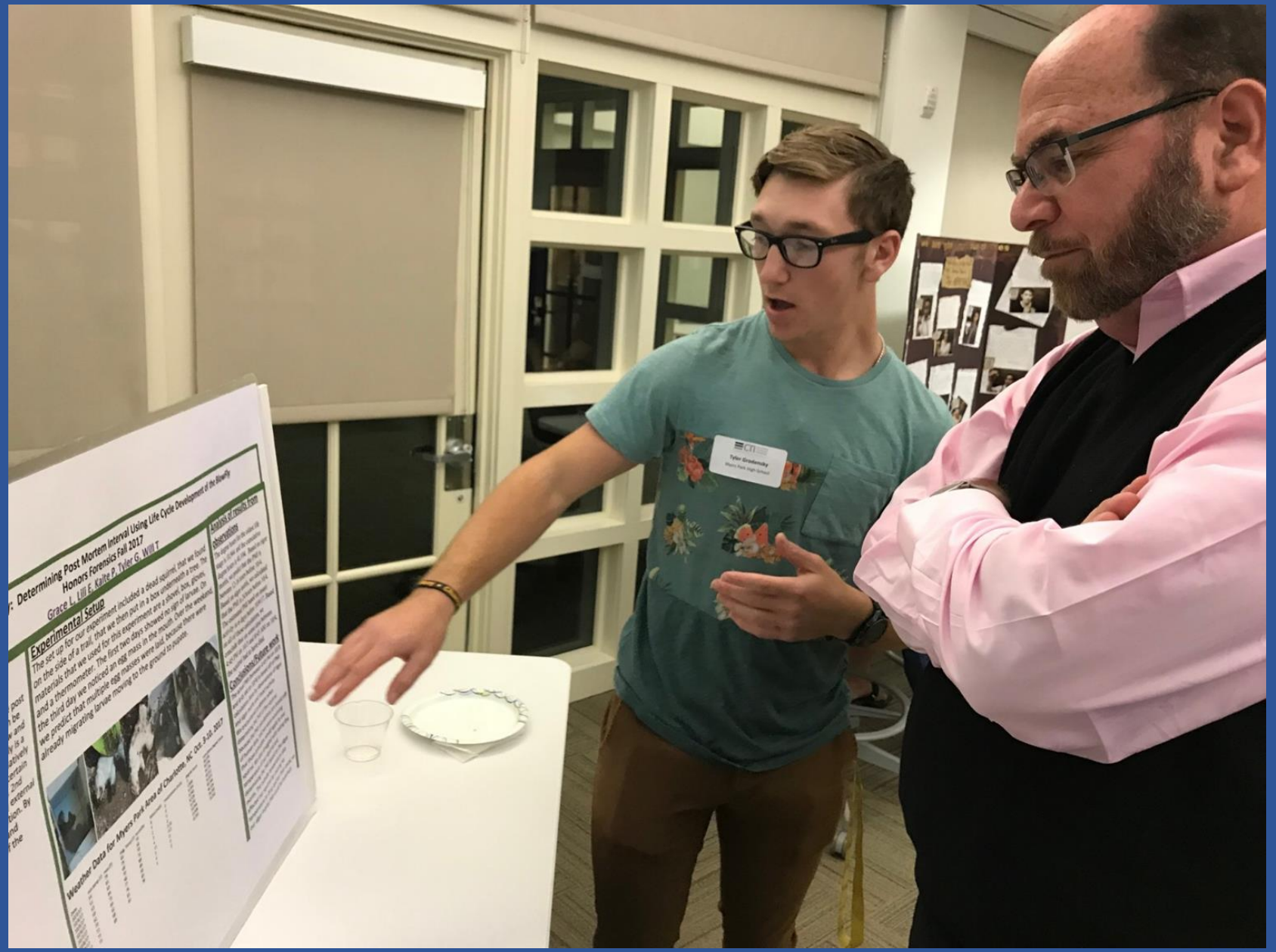

Utilizing Nanoscale Science for Solar Applications
Kathleen M. Dipple, Meesha Kaushal, Marielle M. Matheus, Wendy Potter, Kari L. Rhoades, Jacquelyn Smith, Marcus Jones
Nanoscale Science, University of North Carolina at Charlotte, Charlotte, NC, United States
What is "Nano"?
Why use Nano-materials?
High surface area to volume ratios = higher reactivity
Much biology occurs at this scale
Quantum effects dominate material's properties
Change the size...change the color!
Motivation
Wasted photons w/ current solar technology (Silicon)
Spectral Irradiation, W * m-2 * nm-1
Wavelength, nm
We can tune nanoparticles to absorb the otherwise wasted photons!
Results: Spectroscopy
Au/CdS/PbS
Au/AgS
Au/Ag
Au
Au/CdS
Normalized Absorbance
Acknowledgements

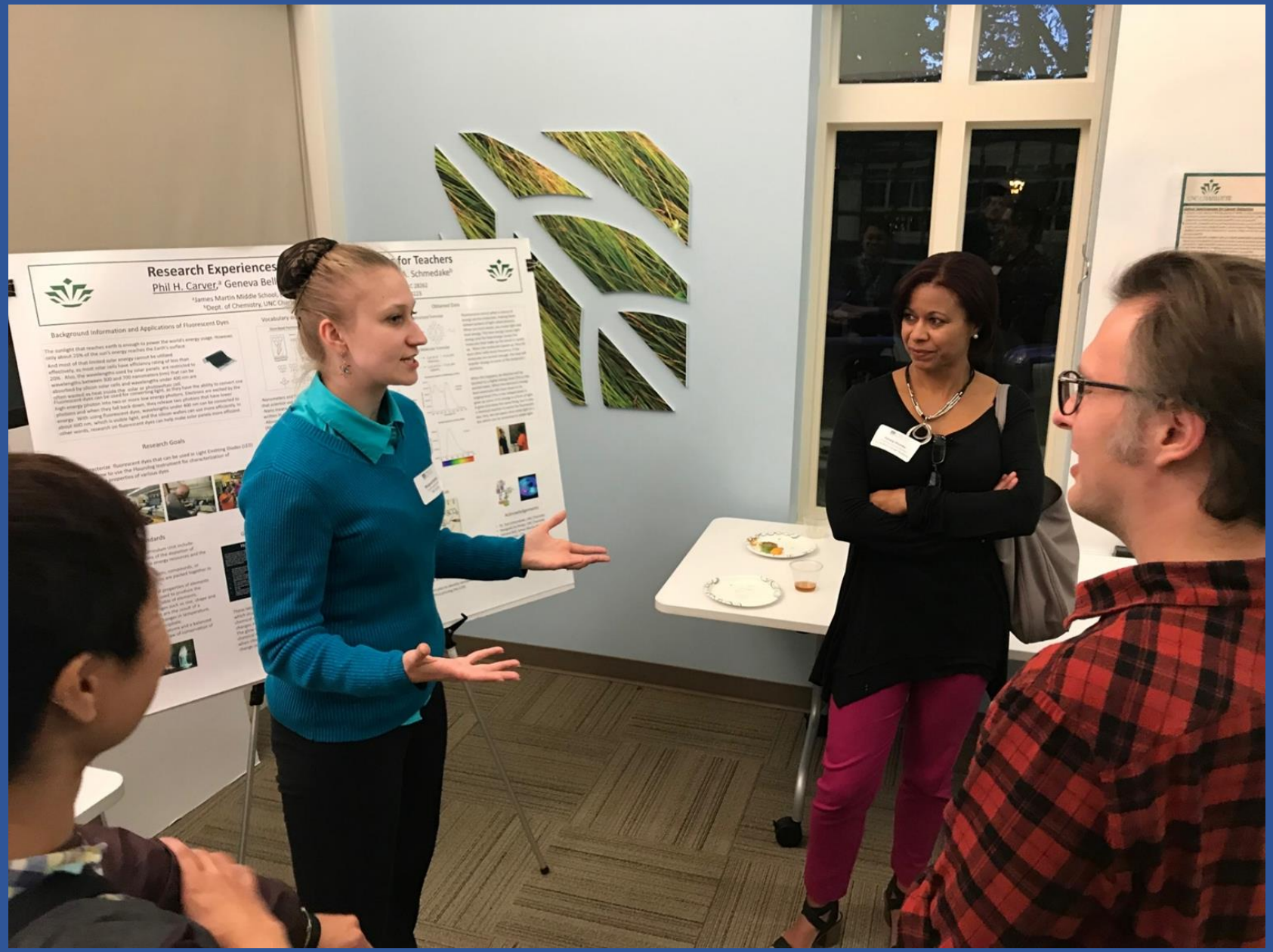

Silver Nanoparticles for Enhanced Efficiency in Solar Applications
Wendy Potter, Kathleen Dippie, Meesha Kaushal
Methods
Results
Conclusion

Evening for Educators

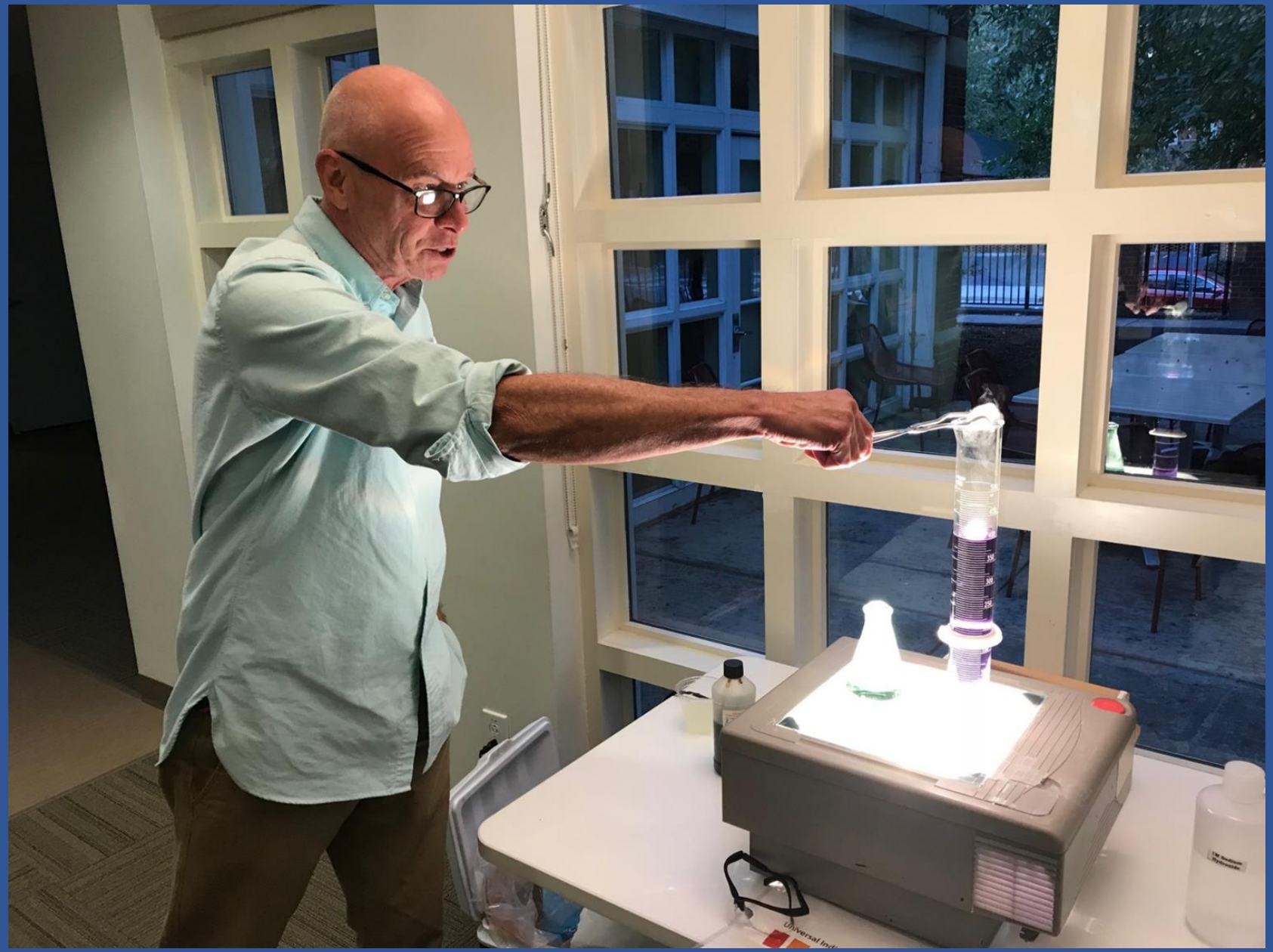
Tuesday, October 17, 2017

Discovery Place Education Studio


Determining Post Mortem Interval Using Life Cycle Development of the Blowfly
Honors Forensics Fall 2017
Experimental Setup
Weather Data for Myers Park Area of Charlotte, NC
Tyler Grodensky
Myers Park High School


Research Experiences
for Teachers
Background Information and Applications of Fluorescent Dyes
Research Goals


PAPER &
CARDBOARD




FORGE
tens
ones

CTI Seminars

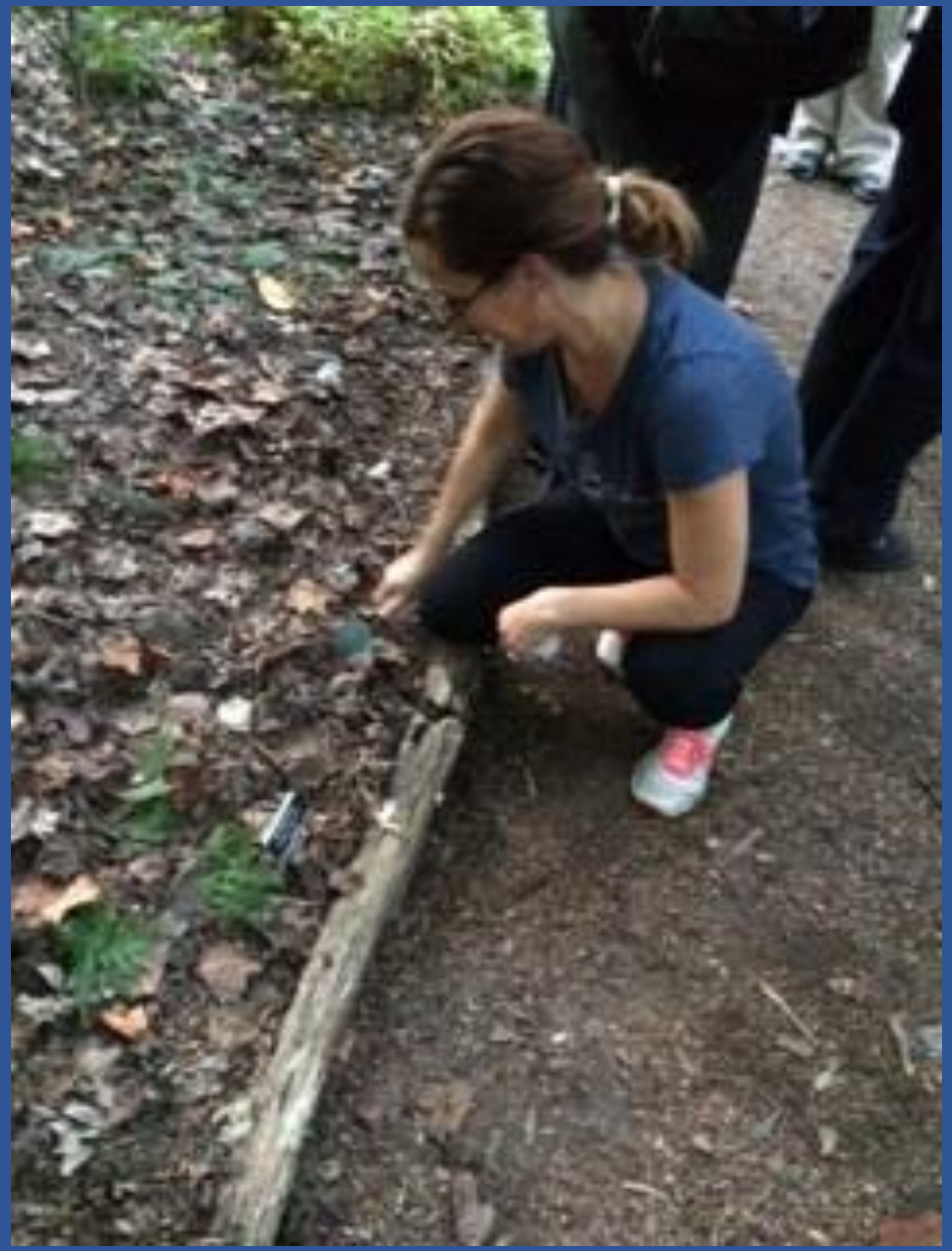
Fall Seminar Meetings
August-November, 2017

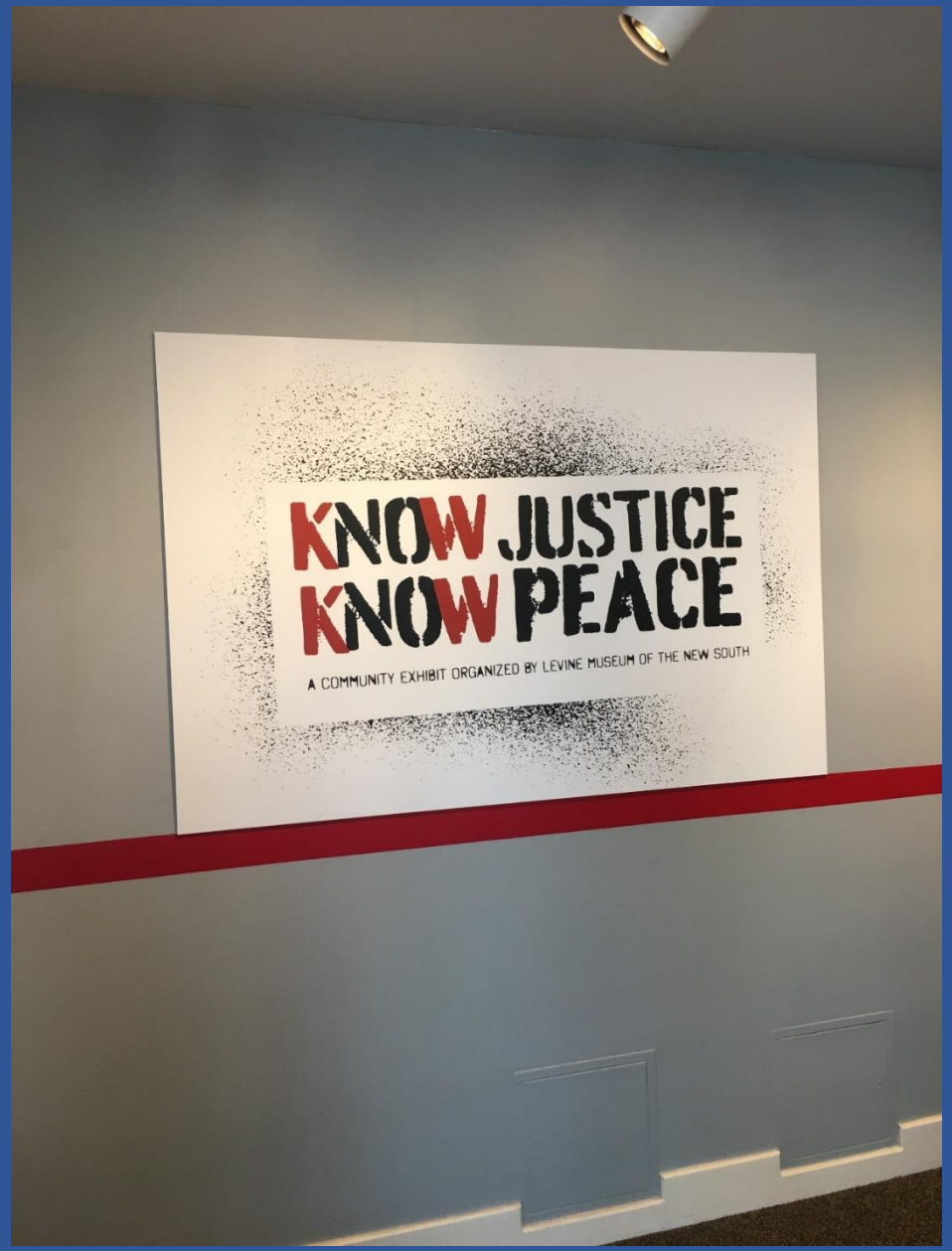
UNC Charlotte
Davidson College
Bechtler Museum of Modern Art
Levine Museum of the New South


Try Dropbox Business
Dropbox
afernan2@un
Password


CARLA


BIODEX




KNOW JUSTICE
KNOW PEACE
A COMMUNITY EXHIBIT ORGANIZED BY LEVINE MUSEUM OF THE NEW SOUTH


LOCAL
POLICING
1960
1965
1970

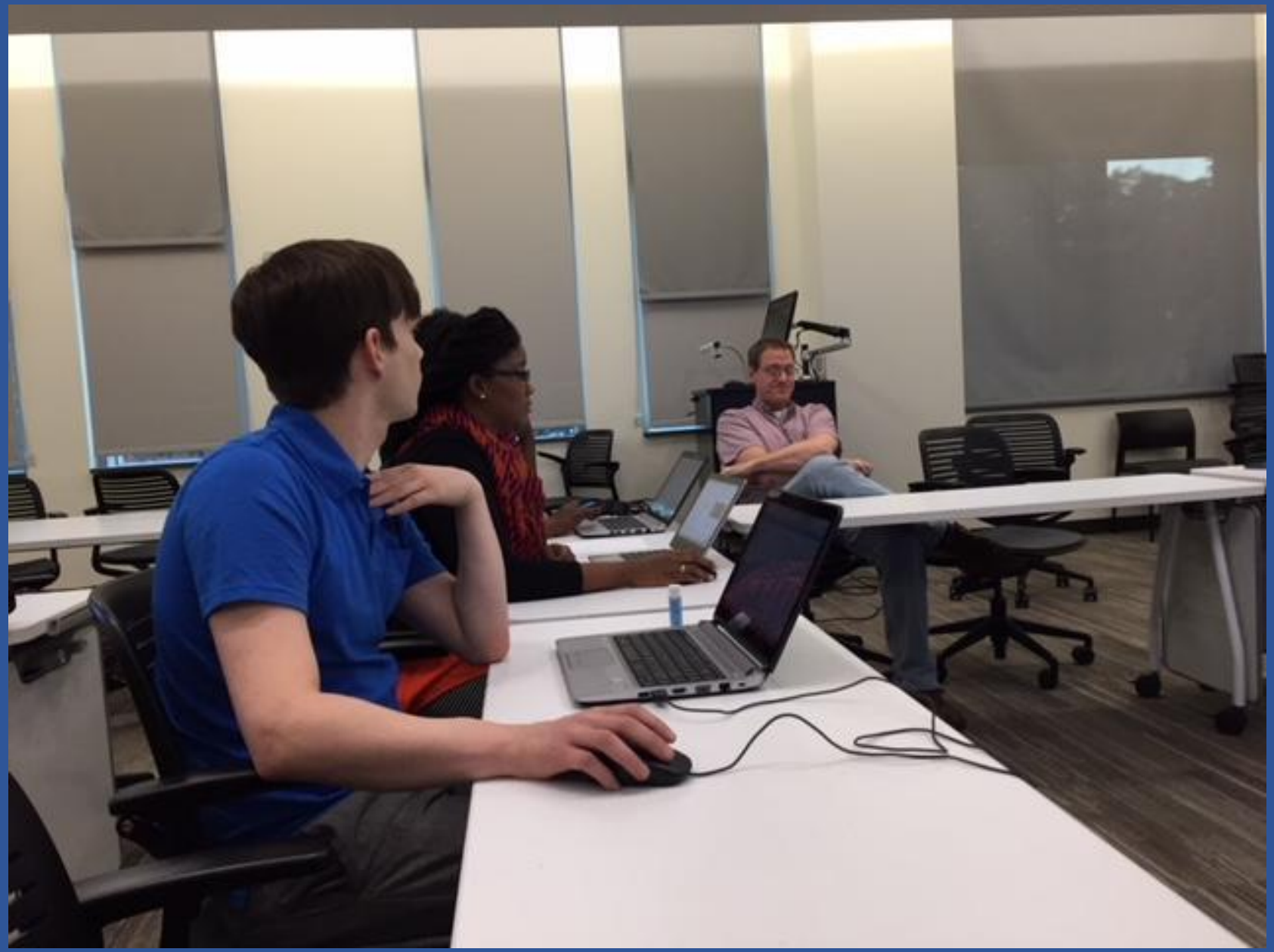

MEMORIAL MANIA

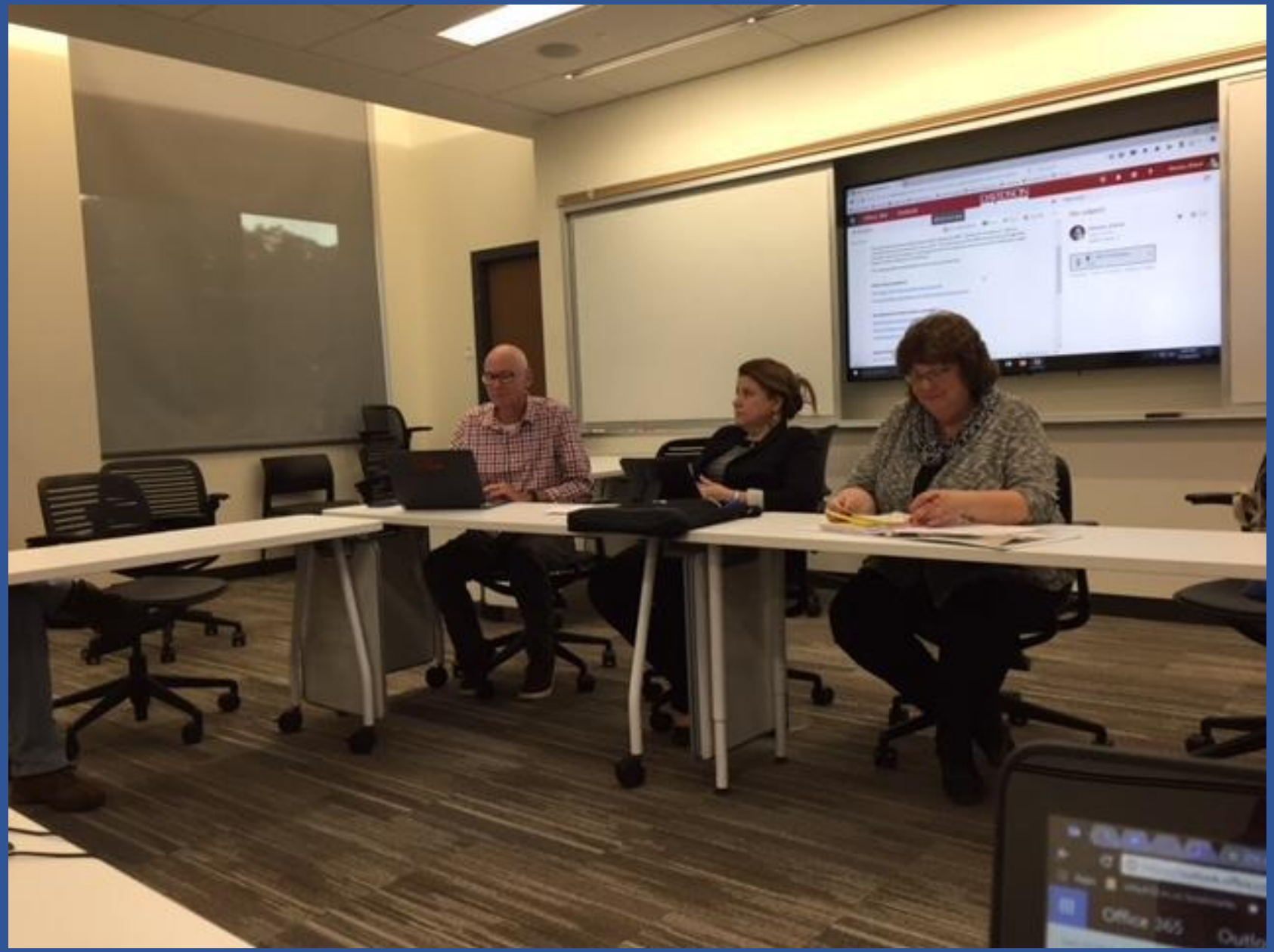

FOUNDATION FOR THE CAROLINAS


Media Literacy
Media literacy is the ability to identify different types of media and understand the messages they're sending.
All media share this: Someone created it. And it was created for a reason. Understanding that reason is the basis of media literacy.
Media Literacy
Media literacy is the ability to identify different types of media and understand the messages they're sending.


Media Literacy
What does a president look like in your mind?
Presidential Means....

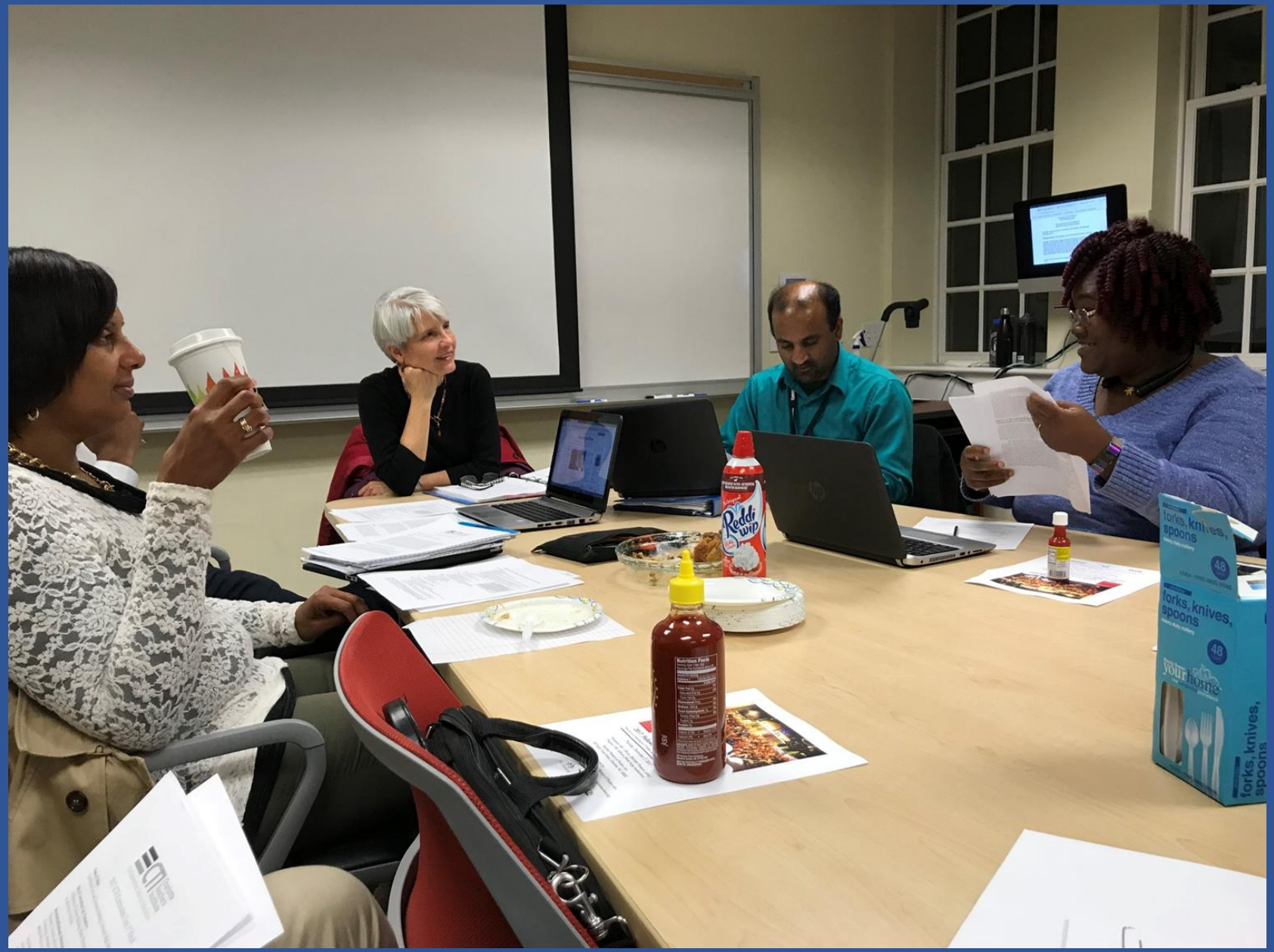

BREAKTHROUGH



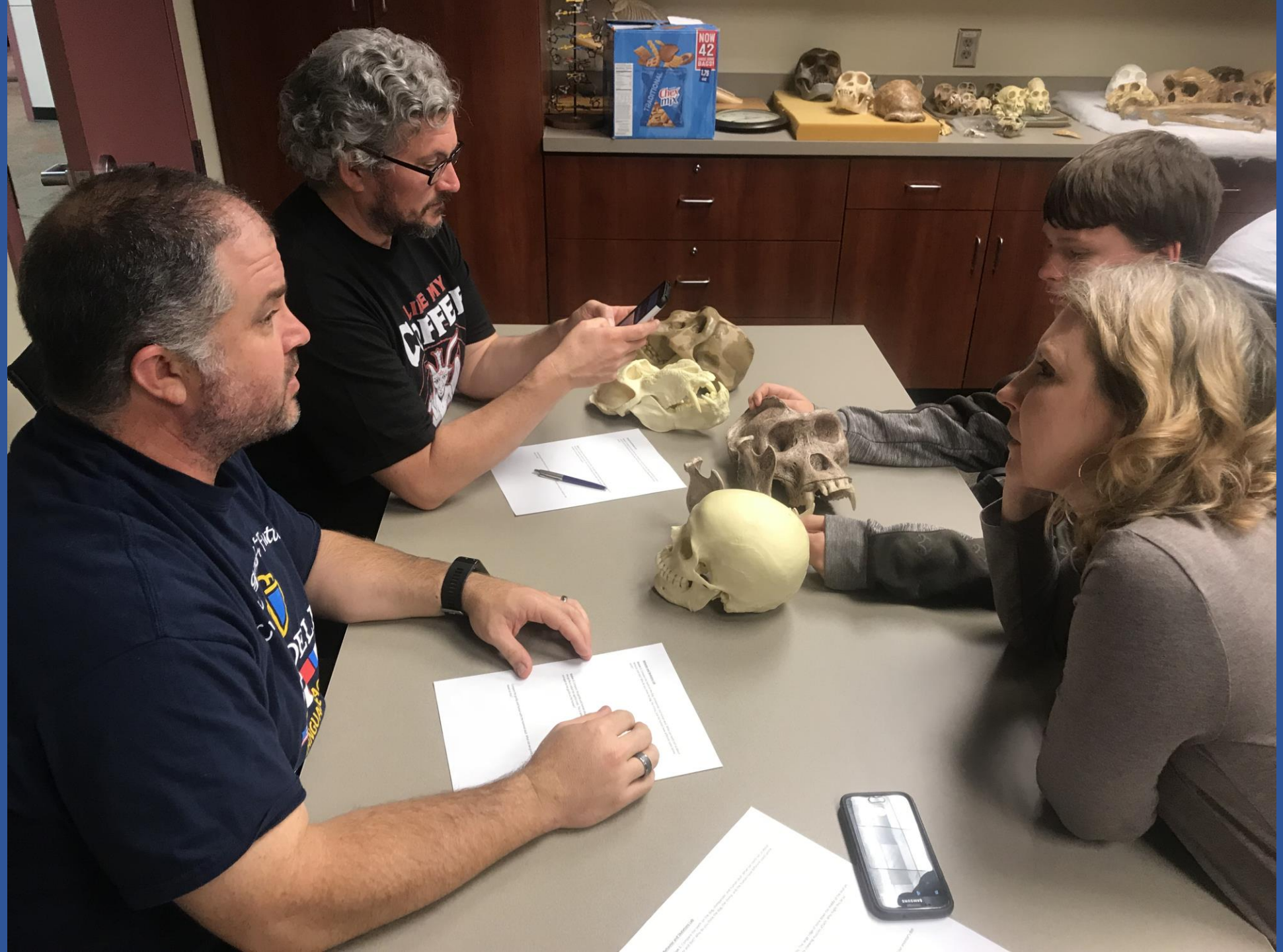

Office 365

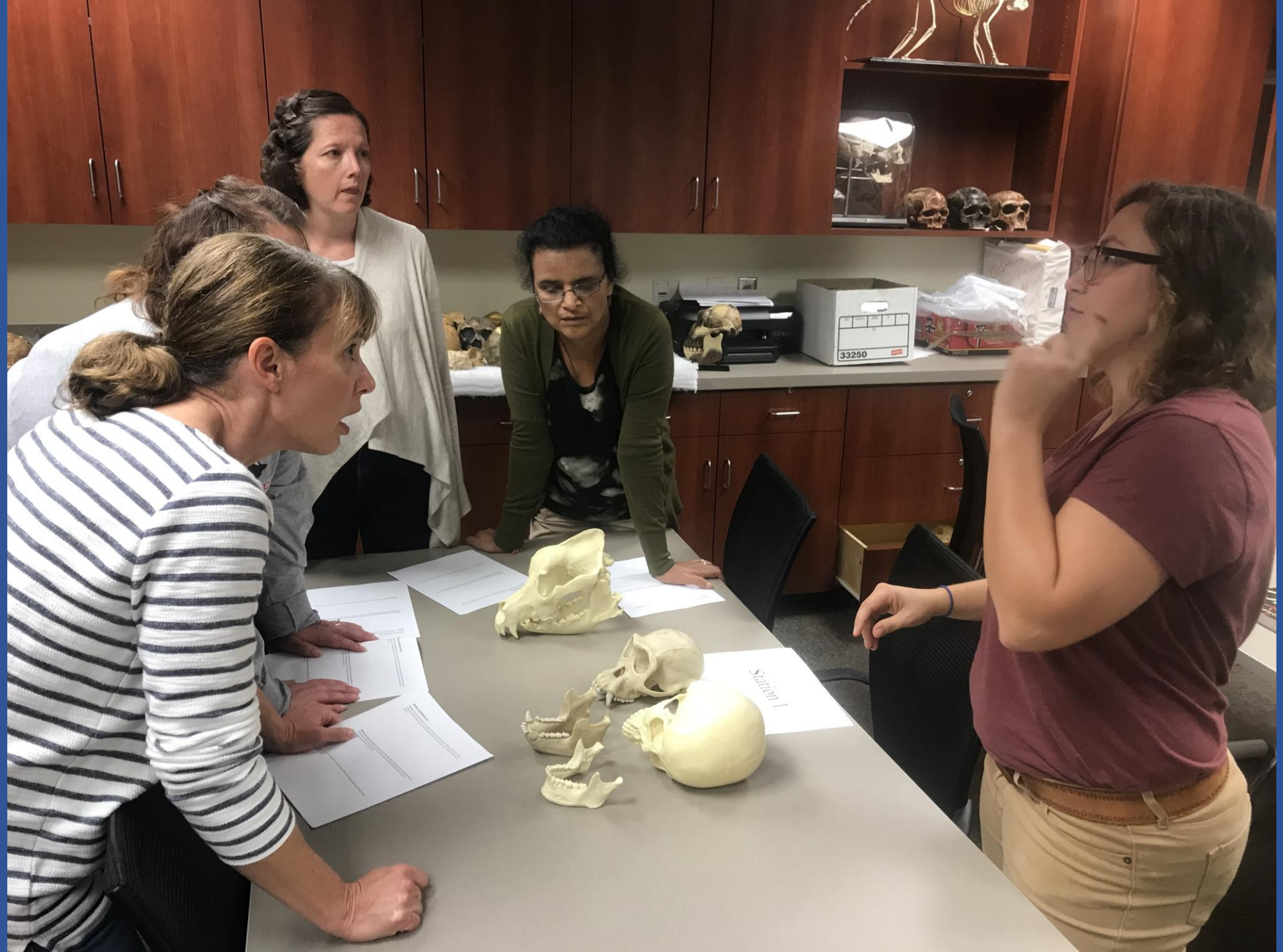

TEXAS PETE


EXIT


Reddi wip
forks, knives, spoons
forks, knives, spoons
forks, knives, spoons


TEXAS PETE
TEXAS PETE
Hot Sauce
¡SABOR


NOW 42 BAGS!
Chex Mix
LIKE MY
COFFEE


33250
Station 1


MAXIMUM
OCCUPANCY
42

CTI Charlotte Teachers Institute

Collaborative Teacher Education

Strengthening Teaching in Charlotte-Mecklenburg Schools

cms® Charlotte-Mecklenburg Schools

UNC CHARLOTTE

DAVIDSON

BECHTLER MUSEUM OF MODERN ART