

KENRIC DAVIES

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EDUCATION

University of Texas at Dallas, Richardson, TX

MAT in Science Education

2014

Thesis: "Teaching by Analogy: Gravity and Electrostatics"

Texas A&M University, College Station, TX

B.A. in Physics

2010

Minor: Mathematics

AWARDS

Tech Titans of the Future Award Finalist

August 2017

TMA – Dr. Earnest and Sarah Butler Award for Excellence in Science Education

April 2016

TSAAPT – Excellence in Pre-College Physics Teaching

April 2016

Circle of Success Honored Teacher (Sherman Education Foundation)

April 2015

KMAD/KATY Texoma Teacher of the Year

May 2014

Sherman ISD Secondary Teacher of the Year

May 2012

Circle of Success Honored Teacher (Sherman Education Foundation)

April 2012

TEACHING EXPERIENCE

Collin County Community College – Central Park Campus

Associate Faculty Member – Physics Department

2016 – Present

Taught lecture and lab sections for undergraduate algebra based physics and astronomy courses in both in person and online formats

Liberty High School – Frisco, TX

Classroom Teacher – Advanced Placement Physics

2016 – Present

Developed syllabus and overall course structure, Led Physics team meetings, Directed data disaggregation, Wrote grant proposals for classroom technology

Sherman High School – Sherman, TX

Classroom Teacher – Advanced Placement Physics, Astronomy

2010 - 2016

Developed syllabus and overall course structure, Led Physics team meetings, Directed data disaggregation, Wrote grant proposals for classroom technology

RELATED EXPERIENCE

Physics Teaching Resource Agent (PTRA)

Workshop Leader

June 2015 – Present

Developed and executed workshops designed to increase physics content knowledge for teachers within a given geographical area

Boot Camp Robotics

Science Teacher

June 2014 – July 2014

Developed robotics competition for students, Coached students in the Grayson County Boot Camp to build robots fit to compete

Texas Regional Collaborative – UT Dallas Section

Participant and Leader

July 2013 – Present

Served as a facilitator during required Summer Institute in 2013 covering topics on Force and Motion for middle school teachers, Participate in monthly professional development

Transformational Teacher Cadre – Region 10

Participant

Sept 2012 – June 2013

Participated in professional development in Authentic Learning in the 21st Century, Developed and implemented a Project Based Learning unit on Electromagnetism

New Science Teacher Academy Fellow – National Science Teachers' Association

Fellow

Aug 2011 – June 2012

Participated in professional development through an online learning community, Developed an inquiry unit on Circuits with the assistance of a team of veteran teachers

PROFESSIONAL PRESENTATIONS

30 Demos in 60 minutes – Conference for the Advancement of Science Teaching (CAST) 2016

Developed a teacher workshop for middle and high school teachers to help teach basic physics concepts covered by the Texas state standards

-Scheduled to present at CAST (Houston, TX) in 2017

Cartoon Physics – Conference for the Advancement of Science Teaching (CAST) 2017

Developed two teacher workshop; one for elementary and middle school teachers and the other for high school teachers, to help teach basic physics concepts covered by the Texas state standards and AP Physics Curriculum

-Scheduled to present at CAST (Houston, TX) in 2017

-Scheduled to present at AAPT Summer Meeting (Washington D.C.) in 2018

-Presented at CAST (San Antonio, TX) in 2016

Science Lab Training: Hesitant to Confident – Sherman ISD 2015

Developed and presented training for K-12 to improve science lab practices within the Sherman ISD

<p><i>Hollywood Physics – Conference for the Advancement of Science Teaching (CAST)</i></p> <p>Developed and presented a teacher workshop that showcases the use popular movie scenes to teach students physics concepts</p> <ul style="list-style-type: none"> -Presented at CAST (Ft. Worth, TX) in 2015 -Presented at Texas Section of American Association of Physics Teachers Spring Meeting (Lee College, Baytown, TX) in 2015 -Presented at Texas Regional Collaborative Annual Conference (Austin, TX) in 2014 -Presented at Mini-CAST (Grand Prairie, TX) in 2014 -Presented at Texas Regional Collaborative Annual Conference (Austin, TX) in 2014 	2014
<p><i>Sherman ISD District Training</i></p> <p>Developed and presented training for high school and middle school science teachers on Energy concepts and the Texas state standards</p>	2014
<p><i>Flipped Classroom: Not JUST About the Videos</i></p> <p>Developed and presented training on flipped classrooms that included motivation behind and design of the teaching strategy</p>	2014
<p><i>Sherman ISD District Training</i></p> <p>Developed and presented training for high school and middle school science teachers on Force and Motion concepts and the Texas state standards</p>	2013
<p><i>NSF Robert Noyce Teacher Scholarship Program – Washington D.C.</i></p> <p>Served as a panel speaker: “Visions from the Field”</p>	2013
<p><i>Physics...There’s an App for That! – CAST</i></p> <p>Developed and presented training focused on using Apps to help teach physics concepts, Provided training on video analysis using Vernier Video Physics</p> <ul style="list-style-type: none"> -Presented at Texas Section of American Association of Physics Teachers Spring Meeting (Lee College, Baytown, TX) in 2015 	2012
<p><i>Robert Noyce & STEM Academy Scholars Banquet – Texas A&M University</i></p> <p>Keynote Speaker: “What I Didn’t Know”</p>	2012

MEMBERSHIPS

National Science Teachers’ Association
Texas Classroom Teachers’ Association
American Association of Physics Teachers
Committee Member – Committee on Physics in High Schools (3-year appointment)
Physics Teaching Resource Agents