

## **Math/Science Presentations**

### **2016 - 2017**

- Guest Speaker: Kathy Eubanks, M.D.  
NTCC Associate Professor of Biology  
"Pathology: A Career *Antibody* Would Love!"
- Guest Speaker: Dr. Caroline Caldwell  
B.S. Astronomy, University of Texas at Austin  
Ph.D. Astrophysics, Liverpool John Moores University  
"Astrophysics"
- Guest Speaker: Jim Ward, M.S.  
NTCC Assistant Professor of Biology  
"How the Brain Learns! Unlocking the Secrets to Earning an AI!"

### **2015 - 2016**

- Guest Speaker: Angelica Fuentes  
NTCC Presidential Honor Student  
Texas A&M University-Commerce Summer REU Program  
"The Synthesis of Ammonium Ionic Liquid Supported Ligands and Their Application For Asymmetric Michael Reactions"
- Guest Speaker: Kenneth Irizarry, P.E., REM  
NTCC Professor of Engineering  
"Environmental Engineering"
- Guest Speaker: Tricia Blalock, PT, DPT, MPH, CLT  
"Careers in Physical Therapy"

Dr. Blalock has earned a doctorate in physical therapy and a master's in public health. She is also a clinical laboratory technician.

- Guest Speaker: Mark R. Bouwens, Ph.D.  
NTCC Professor of Physics  
"Thorondor: The Eagles' Supercomputer Designing SPEED 101"

- Guest Speaker: Christine Houser, MPhil, MD  
NTCC Division Chair of Natural Sciences  
Fellow of the American College of Emergency Physicians  
Fellow of the Academy of Wilderness Medicine  
Consultant, Yale University Department of Near Eastern Languages & Civilizations  
"Wild Medicine: Paths through the Wilderness of A Medical Career"

## 2014 - 2015

- Guest Speakers: Kayleah Cumpian, Ana Martinez  
Presidential Honor Students  
"Undergraduate Research Opportunities in STEM for Pay!"
- Guest Speaker: Matt Wood, Ph.D.  
Professor and Department Head  
Department of Physics and Astronomy  
Texas A&M University-Commerce  
"Kepler Observations of Cataclysmic Variable Stars"
- Guest Speaker: Ronald L. Bowden  
Deputy Director & Dept Director of Science & Technology  
Raytheon Company, 1995 - 2002  
Garland, Texas  
"TERrain COnTour Matching: Origin and Application"
- Guest Speaker: Anne Semrau, M.S., R.D., L.D.  
Professor of Biology  
Division Chair for Natural Sciences  
"Play with your food (why being a dietitian is so awesome)"
- Guest Speaker: Brian B. Johnson  
Senior Mechanical Engineer  
Aero Engineering, L3 Mission Integration  
"Community College to Senior Mechanical Designer:  
How Community College Gave Me a Boost"

## 2013 - 2014

- Speaker: Drew Murphy, Ph.D., Assistant Professor of Chemistry  
“What do Cell Phones and Cancer Therapy Have in Common?”
- Speaker: Matthew Jordan  
Presidential Honors Student  
Major: Petroleum Engineering  
REU Summer Research Project, Chemistry
- Speaker: Rebekah Hinojosa  
The Sierra Club  
“Coal Strip Mining in East Texas”
- Speaker: Roger Ledbetter, P.E.  
Civil Engineer  
Texas Department of Transportation
- Speaker: Larry Brough, Ph.D.  
Professor of Chemistry  
“Climate Change: The Science and Its Implications”

## 2012 - 2013

- Speaker: Caroline Caldwell  
Ph.D. candidate in Astrophysics  
“Astrophysics: Education, Careers, & More”
- Speaker: James W. Aston, Jr., M.D.  
Orthopedic Surgeon  
Adjunct Faculty Member, Biology
- Speaker: Roger Farr, P.E.  
Chemical Engineer  
Adjunct Faculty Member

- Speaker: Joseph Hearron, Graduate Student, Former NTCC student  
“Vehicular Technology/Alternative Energy”  
UT Dallas, Electrical Engineering
- Speaker: George Leonberger  
Tufts Fellow  
NTCC Adjunct Teaching Excellence Award, 2006  
Associate Faculty Member, Astronomy, Chemistry

## **2011 - 2012**

- Student Speakers: Isaac Griffin – *Honors Seminar Research Project*  
“The Effects of Task Labels (Difficult Vs. Easy)  
On Academic Testing”  
Jessica Rogers - “Olympian cardiologist, Denton Cooley”
- Guest Speaker: Darrell Grubbs, Civil Engineer  
Director of Titus County Fresh Water District
- Speaker: Mark Bouwens, Ph.D., Associate Professor of Physics  
Doctoral Research: “Theoretical Study of Binary Alloy Thin Film Growth”
- Speaker: Kathy Carter, D.V.M., Adjunct Faculty Member, Biology  
“Preparation for Professional School – What can I do NOW?”

## **2010– 2011**

- Student Presentations – Mary Galloway “Decline in Reading Scores”  
Palek Patel “The Derivative,”  
Alex Best – REU Summer Research  
“Research Experience for Undergraduates” Summer Project  
Texas A&M University-Commerce

- Texas A&M University-Commerce Department of Engineering  
Representative – Peggy Borchardt  
“Industrial Engineering 2+2 Program”
- Speaker: Brenda Deming, Ph.D., *Assistant Professor of Biology*  
Doctoral research: “Role of DNA Variants in Prostate Cancer”
- Speakers: Larry Brough, Ph.D., *Professor of Chemistry*  
Anne Semrau, *Professor of Biology*  
“Global Warming: Causes and Effects”

## 2009 – 2010

- Student Presentations – Clara Ramirez, Monica Paredes,  
Maria Chevez, Angela Spencer  
Research Project – “Athletic Genetics”
- Alumnus Speaker – Dr. Katrina Richey Duplechain, M.D.  
Internal Medicine, ETMC  
NTCC Class of 1994
- Alumnus Speaker – Heather McNabb Campbell  
Mechanical Engineer, L3-Com  
NTCC Class of 1994
- Alumnus Speaker – Beverley Springstead, P.A.  
Local Practice  
NTCC Class of 2000

## 2008 – 2009

- Student Presentation – Samantha Johnson, Presenter  
Summer Research Project – Chemistry  
Texas A&M University-Commerce
- Guest Speaker – Steven Capehart, Department of Mathematics  
East Texas Baptist University  
“Unique Sequences”

- Alumnus Speaker – Clint Collier, Mechanical Engineer  
Preifert’s Manufacturing  
Mt. Pleasant, TX
- March Meeting – Student Competition / Math Jeopardy
- End-of-Year Luncheon – Environmental Engineering  
Vernon Rowe, President  
Rowe Environmental, Pittsburg, TX

### **2007 – 2008**

- Student Presentations - Cypress Basic Research  
Advanced Physics Semester Projects
- February Meeting – Student Competition / Math Jeopardy
- Guest Speaker - Dr. Rick Kreminski, Mathematics Department, *Chair*  
Texas A&M University-Commerce  
“Mathematics of Voting”

### **End-of-Year Luncheon 2006**

- Guest Speaker: Dr. Hasan Coskun, Associate Professor of Mathematics  
Texas A&M University-Commerce,  
Topic: “Image construction problem using planar cross sections with discussion  
of important applications in medicine, morphology, geology and mining.”

