

ACE Mentor Program News

October/November 2010

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ACE Mentor Program Mission:

To enlighten and motivate students about architecture, construction, engineering, and other related careers, and to provide mentoring and scholarship opportunities for future designers, contractors, and craftspeople.

Frederick ACE Affiliate Embraces Prospective Architects, Craftspeople and Engineers

ACE is a unique after school program for high school students interested in learning about careers in architecture, engineering, and construction. ACE Frederick started in September of 2005 and has been expanding over the past five years.

Frederick's understudies are composed of students in nine high schools Tuscarora, Linganore, Brunswick, Governor Thomas Johnson, Middletown, Walkersville, Catoclin, Urbana, and Frederick. A homeschooled student is in attendance, too. Nearly 150 students applied; and 110 received acceptance into ACE's ranks. Overall, the second-year students, 28 strong, are assigned to lead mentor of the Millennium team Bryan Burke; the first years are broken between two teams:



Gilbane and Bechtel. Wayne Bergstrom's Bechtel first years total 46; lead mentor Gary Orton's Gilbane first years total 36.

As is typical with the ACE program year-to-year, mentors have expanded in number and in expertise. The mentors, who will assist in the instruction of the fields of architecture, construction and engineering, are primarily composed of local industry leaders working in the ACE fields.

The ACE program runs for the entirety of the year, through its 15 sessions, focusing on categories from budget planning to nuclear engineering. The content matter encompasses the basics future engineers, architects, craftspeople and constructors need to know about the ACE industry and its operations.

Enrolled and Participating Students (Per High School)

Tuscarora:

Tony Bae, Christopher Chavez, Darnell Henry, Matt Hodge, Ciera Orton, Praneet Puppala, Christopher Thomas, Tommy Tran, Daniel Grewe, Cameron Noah, Shynaia Orleans-Lindsay, Rachael Suray, Bradley Reeder

ACE Mentor Program of Frederick - Contact us at (240) 344-1510 or
FrederickMD@ACEMentor.org



Sponsors:

- Bechtel Corporation
- Bechtel Women's Group
- DesignStory
- Gilbane
- Loiderman Soltesz Associates
- Linton Shafer Warfield & Garrett, P.A.
- Morgan Keller
- Severn, O'Connor & Kresslein, P.A.
- CCBC Time
- Trimble Navigation
- Weyerhaeuser

School/College Supporters:

- Carnegie Mellon University
- FCPS
- FCPS Career and Technology Center
- Frederick Community College
- Johns Hopkins University
- Loyola University – Maryland
- Pennsylvania College of Technology
- University of Maryland
- Virginia Tech University
- West Virginia University



Clements, Kendall Feb, John Pellegrino, Steven Rosen

Brunswick:

Alex Price, Nathan Edwards, Kenneth Floria, Dana Omdahl

Governor Thomas Johnson:

Kevin Byrd, Cesar Diaz, Holly Johnson, Ibk Kemiki, Daniela Arsedo, Sean McIntyre, Priyanka Munjal, Michael Rosenberger, Arrington Walters, Greg Hilton, Charles Jenkins, Ciara Spruill, Julian Wingfield

Middletown:

Het Desai, Sherwin Fong, Anthony Lucernoni, Eddie Hill, Patrick Peluso, Jimmy Staples, Matthew Sweeney



Walkersville:

Jacob Alvarez, Tristan Foley, Madeleine Foster, Patrick Kirby, Sarah Carroll, Bryce Meadows, Kristin Zimmerman, Hannah Cox, Ryan Fong Sam, Lindsay Kellar, Alexander Ruth

Catoctin:

Robert Bodmer, Bradey Triplett

Urbana:

Jennifer De Sousa, Christine Fossaceca, Joseph Nacincik, Tasso Stamboulis, Eric DeBoy, Kenneth Halter, Lisa Ramsburg, Krina Shah

Frederick:

Jason Hyrkas, Beth Par, Spencer Korb, Johnny Nguyen, Morgan Olson, Luke Witmer



In the spotlight next newsletter:

Student profile – We will interview Tony Prete for his input on being on the Board as a student member.

Scholarship Information – As college looms, academic, extracurricular, and need-based scholarships are handed out to those qualified. Read along next time for more information about available scholarships.

ACE Alumni – ACE is a well-known program with a rich past. Learn more about where Alumni go after they graduate from the program.

LEED – An acronym for Leadership in Energy and Environmental Design, LEED directs future engineers, contractors, architects, and craftspeople to building in a manner coined “green” by today’s standards. LEED certification is becoming a great qualification for those interested in pursuing ACE fields. Learn more about what this entails next issue.



Homeschooled:

Jake Butler

Overall, the mentors and students are excited for this opportunity.

Physics is Phun Program



The Physics is Phun program is offered through the University of Maryland to high school students intrigued with physics and its application in common life. Run by Dr. Matthew Bobrowsky, the Director of the Physics Department Lecture

Halls-Demonstration Facility, the demonstrations range from explaining how convex lenses work to showing the logic behind sound wave models.

If you’d be interested in participating, the future sessions are as follows:

2011:

□ January 6, 7, 8 – Making Waves



This session explores how sound waves and light waves work by providing applications and observable properties.

□ March 10, 11, 12 – The Sounds of Science
This session explores the impetuses of sound, from music to the human voice.

□ May 5, 6, 7 – Seeing the Light

This session explains the logic behind mirrors, lenses, and light.

Doors open 7:00 PM for pre-program hands-on activities; program lasts from 7:30-8:30 PM

For further information call
(301) 405-6045 or visit the website at www.physics.umd.edu/lecdem
Physics Department Lecture Halls, Physics Building
University of Maryland, College Park, MD 20742

Dates to Remember:
College Night – April 13th
Awards’ Night – April 27th

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