

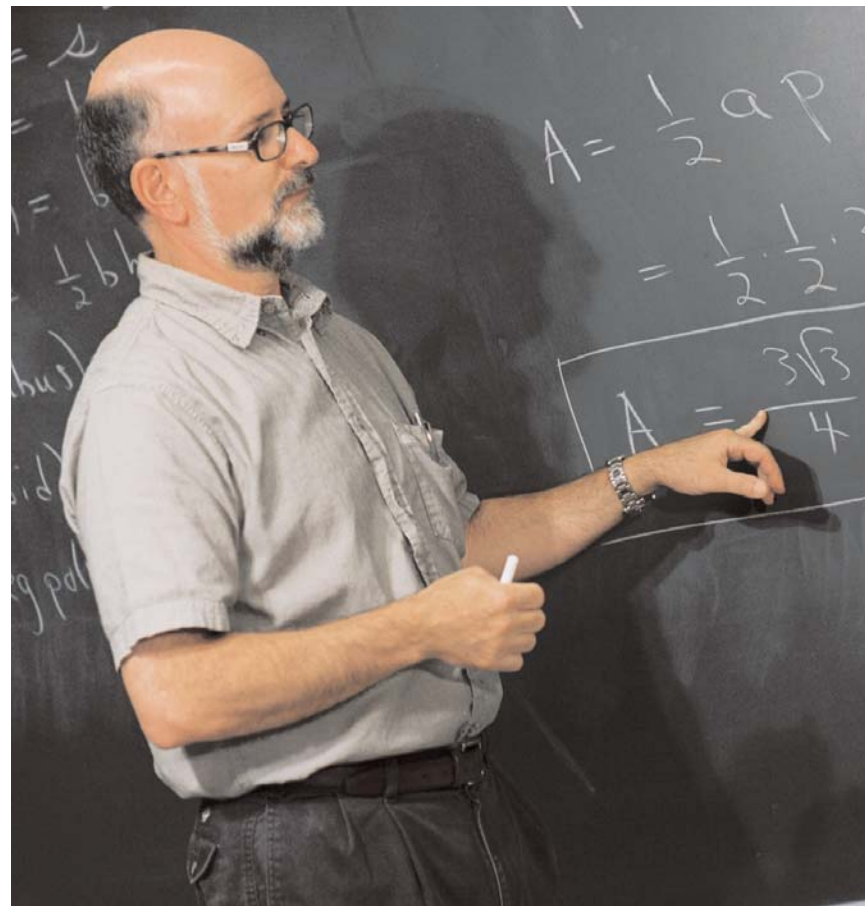
# About:

As the Pittsburgh region's largest independent school, Shady Side Academy is a co-educational, college preparatory school serving a diverse student body. In addition to grades PK-12, the Academy also offers a 5-Day boarding program for students in grades 9-12. Established in 1883, Shady Side Academy is located on three campuses in the Pittsburgh region and features state-of-the-art facilities including the Hillman Center for Performing Arts, Richard E. Rauh Theatre, a 'green' classroom building and indoor swimming and ice hockey centers. Shady Side Academy graduates traditionally have been leaders in government, academics, arts, sciences and business. Notable alumni include businessman Henry Hillman '37, historian David McCullough '51, astronaut Jay Apt '67, Iowa Governor Tom Vilsack '68, Talking Heads drummer and Rock and Roll Hall of Fame inductee Chris Frantz '70, *USA Today* women & finance columnist Kerry Hannon '78, Oceanographer Deidre Byrne '85, *Spamalot* star Christian Borle '91, and Colorado Symphony harpist Courtney Bress '92. For more information visit [www.shadysideacademy.org](http://www.shadysideacademy.org).



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Shady Side Academy

**Summer 2008 Teacher Workshop**

High School Algebra with Texas Instruments Technologies

## For:

High school teachers of algebra interested in learning new instructional methods with Texas Instruments technology. The program will be limited to 25 teachers to maximize instruction opportunities and group interaction. Act 48 Continuing Education Credit is available.

## When:

July 1, 2, 3, 2008. 9:00am – 4:30pm, daily.

## Where:

Shady Side Academy, Pittsburgh, Pennsylvania

## Who:

David A. Young, Fayetteville High School, Fayetteville, Arkansas. David is a T-Cubed National Instructor who helped TI develop the Dealing with Data in Mathematics and Sciences workshops and has done training at all levels with all TI technology and holds numerous T-Cubed certifications. Having taught at middle school through high school for 30 years, he uses TI technology in all of his classes. David was the K-12 District mathematics coordinator for the Fayetteville schools for 6 years and has taught at the Arkansas School for Mathematics and Sciences. At ASMS, he helped develop the Mathematics Computer Lab, designed to help juniors prepare for The Calculus. With a BS in Mathematics from Arkansas State University, a BSE in Mathematics from Henderson State University, and a MS in Physics from the University of Mississippi, David regularly teaches PreCalculus, Algebra II, AP Physics C and B, Physics, AP Computer Science A and AB, AstroPhysics and Chemistry. David served as the Teacher in Residence with the PhysTec program and has presented at local, regional, and national NCTM conferences.

## What:

Spend three days getting hands-on experiences as you learn how to teach algebra to all children. Be engaged in Standards Based investigations that truly integrate technology in the mathematics classroom using TI technology. Teach children algebra so that they can use it on the job, in other classes (mathematics, sciences, and more), and on high stakes assessments. We will use the TI-84 handhelds, TI Navigator, CBR2, CBL2, various APPs, TI-Interactive!, and SmartView as we pursue the teaching of the concept of a variable. Also get a preview of the newest TI Technology – the TI-Nspire.

As students come to know algebra there are various themes that surface. We will discuss these themes and the implications of gaps in students learning as you teach the different levels of algebra. Vertical articulation of the curriculum, data collection, getting feedback from all kids, and constructing theory are key aspects of this three day experience. In addition we will explore the role of CAS (Computer Algebra Systems) as it relates to the Algebra for All Children mandate. Participant interest may guide the curriculum as we progress through the days.

## How Much:

\$350 per person. Additional teachers from the same school district or PAISTA school teachers receive a 10% discount. Workshop fee includes handouts and materials, daily snacks, and lunch. Travel, lodging, and dinner are not included. The Holiday Inn RIDC Park, two miles from campus, will offer a special rate to participants. Call 412-963-0600 and mention Shady Side Academy when making your reservation. Un-air conditioned dorm rooms with shared bath are also available. Inquire upon registration.

To register, e-mail [dliebmann@shadysideacademy.org](mailto:dliebmann@shadysideacademy.org) or call 412-968-3045.