

**“The whole art of teaching is only the art of awakening the natural curiosity of young minds for the purpose of satisfying it afterwards.”**

- Anatole France

As an educator, you're very aware of the importance of math skills when it comes to your students' future. The challenge we all face is how best to teach and nurture these critical skills to an at-risk population.

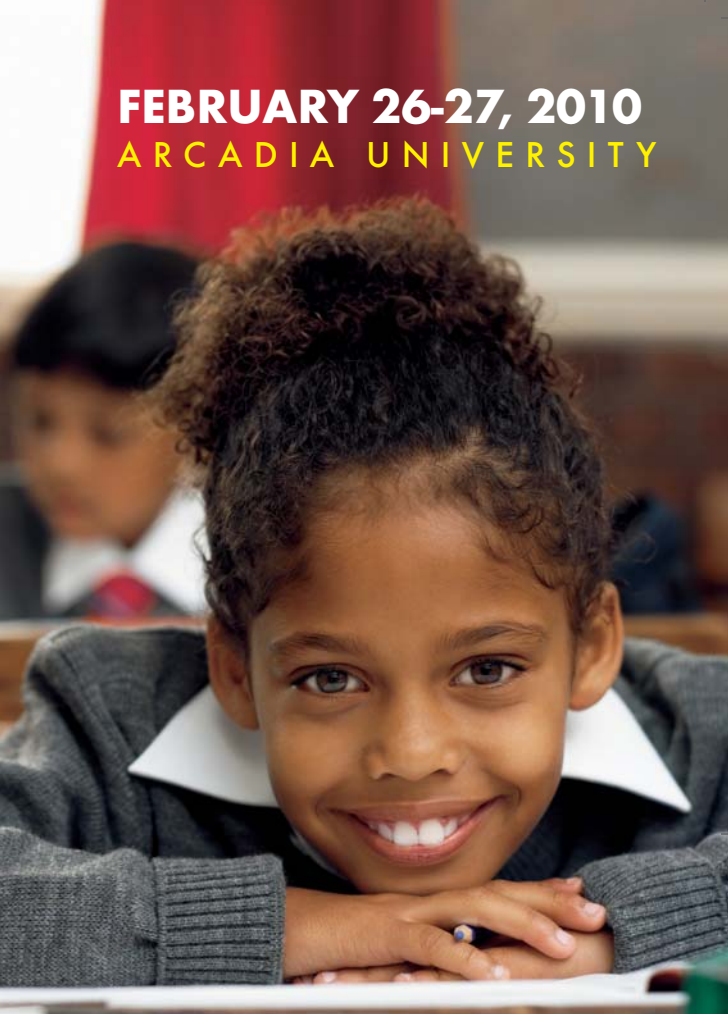
**Beyond The Numbers** is a one-of-a-kind conference that will be both insightful and practical as it brings educators and researchers together to provide a forum where they can share their expertise on ways teachers can effectively teach and students can better learn mathematics.

Space is limited to the first 150 attendees. Please register early to secure your place at this ground-breaking conference.

**Sponsored by**



Benjamin Banneker Association  
P.O. Box 222  
Wynnewood, PA 19096



**FEBRUARY 26-27, 2010**  
**ARCADIA UNIVERSITY**

**BEYOND THE NUMBERS**

Celebrating the best of how teachers teach and African American students learn math.

**Presented by**  
The Benjamin Banneker Association in conjunction with  
Arcadia University and Temple University

**ARCADIA UNIVERSITY**  
450 S. Easton Road  
Glenside, PA 19038

**College of Education**  
TEMPLE UNIVERSITY®  
1930 N. Broad Street  
Philadelphia, PA 19122

FRIDAY,  
FEBRUARY 26, 2010

11:30 AM – 1:00 PM

### Luncheon & Keynote Address

Grey Towers Castle, Arcadia University  
Professor Gloria Ladson-Billings

Kellner Family Chair in Urban Education and Professor of Curriculum and Instruction and Educational Policy Studies at the University of Wisconsin in Madison, and the 2005-2006 president of the American Educational Research Association. Professor Ladson-Billings' areas of expertise include multicultural education, critical race theory in education, and culturally relevant pedagogy. Publications linking her expertise with mathematics education include: "Fighting For Our Lives" in the Journal of Teacher Education (2000) and "It Doesn't Add Up" in the Journal for Research in Mathematics Education (2000).

#### Other speakers include:

*Provost Steve O. Michael* Arcadia University  
*Professor Henry Kepner* President of the National Council of Teachers of Mathematics

1:00 – 2:15 PM

### Symposium I: Cognitive Approaches to Learning Mathematics

Speakers will address issues of cognition and learning for African American students. Q&A session will follow.

#### Speakers for this symposium:

*Professor Emeritus Carol Malloy* Mathematics Education, University of North Carolina, Chapel Hill  
*Professor Julie Booth* Educational Psychology, Temple University  
*Professor Michael Dougherty* Psychology, University of Maryland at College Park

2:30 – 3:45 PM

### Symposium II: Role of Evaluation and Assessment on Mathematics Attainment

Speakers will discuss alternative approaches to evaluation that can tap what African American students know and can do in mathematics; teachers' use of formative assessment to improve student outcomes. Q&A session will follow.

#### Speakers for this symposium:

*Professor Stafford Hood* Sheila M. Miller Professor and Head, Department of Curriculum and Instruction and Professor of Educational Psychology, University of Illinois, Urbana-Champaign  
*Professor Scott Jackson Dantley* Associate Vice President of Institutional Effectiveness and Planning, Coppin State University  
*Professor James Earl Davis* Educational Leadership and Policy Studies, Temple University



Professor  
Gloria  
Ladson-  
Billings



Professor  
Emeritus  
Carol  
Malloy



Professor  
James  
Earl  
Davis

3:45 – 4:30 PM

### Concurrent Breakout Sessions

Facilitators will divide the audience into small groups to reflect upon the symposia and develop the following: **(1)** ideas that can be readily implemented in classrooms or schools; **(2)** list of questions or issues they would like for the speakers to further explore in their research; **(3)** recommendations for future symposia; and **(4)** symposia evaluation.

5:30 – 6:30 PM

### Program: Celebrating the Legacy of Benjamin Banneker

Great Court Mitten Hall, Temple University

*Mr. William Lambert*, Keynote Speaker  
President, Benjamin Banneker Foundation

#### Other speakers and presenters include:

*Professor Henry Kepner* President of the National Council of Teachers of Mathematics  
*Dean C. Kent McGuire* Dean, College of Education, Temple University  
*Professor Jacqueline Leonard* President, Benjamin Banneker Association, Inc.  
*Mr. Andrew Zweig* Texas Instruments  
*Ms. Sara Moore* ETA/Cuisenaire

Following the program, some speakers will have books available for purchase and autographs.

6:30 – 8:00 PM

### Networking Reception

SATURDAY,  
FEBRUARY 27, 2010

8:00 – 9:00 AM

### Continental Breakfast

Grey Towers Castle, Arcadia University

9:00 – 10:15 AM

### Symposium III: Cultural and Social Justice Approaches to Teaching Mathematics

Speakers will discuss the cultural aspects of learning mathematics and use of culturally relevant and social justice pedagogy in the mathematics classroom. Q&A session will follow.

#### Speakers for this symposium:

*Professor Erica Walker* Mathematics Education, Teachers College, Columbia University  
*Professor David Stinson* Mathematics Education and Women's Studies Institute Affiliated Faculty, Georgia State University  
*Professor Eric (Rico) Gutstein* Mathematics Education, University of Illinois, Chicago

10:30 – 11:45 AM

### Symposium IV: Supporting Mathematics Attainment with Emerging Technology and Project-based Learning

Speakers will discuss the role of technology and project-based learning to support student learning in math and science. Q&A session will follow.

#### Speakers for this symposium:

*Ms. Clara Tolbert* Texas Instruments  
*Ms. Vanessa Wimberly* Mathematics Instructor, School District of Philadelphia  
*Ms. Shade Adeleke* Instructional Technology Instructor, Prince George's County Public Schools  
*Professor David Kanter* Science Education, Temple University

11:45 AM – 12:30 PM

### Concurrent Breakout Sessions

Facilitators will divide the audience into small groups to reflect upon the symposia and develop the following: **(1)** ideas that can be readily implemented in classrooms or schools; **(2)** list of questions or issues they would like for the speakers to further explore in their research; **(3)** recommendations for future symposia; and **(4)** symposia evaluation.

12:30 – 1:30 PM

### Box Lunch, Live Performance & Door Prizes



For more information,  
contact Jacqueline Leonard  
at [jleo@temple.edu](mailto:jleo@temple.edu)



Professor  
David  
Kanter



Professor  
Henry  
Kepner



Professor  
Erica  
Walker