

Closing The Achievement Gap
Aframath10
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Boston University

Terrence Richard Blackman
Department of Mathematics
Medgar Evers College, CUNY

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Medgar Evers College



Figure: Crown Heights, Brooklyn NY

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- The College is committed to the fulfillment of this mandate.
- Medgar Evers College is a senior college within the City University of New York System.
- It is a center for the development of community-based educational paradigms in the metropolitan New York City region.

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- 62.5 % were employed in a fulltime capacity

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- Enrollment in Math courses - 1441
- Only 181 (12.6%) take Calculus or higher



Figure: PreCalculus Spring 2010



Figure: Calculus I Spring 2010

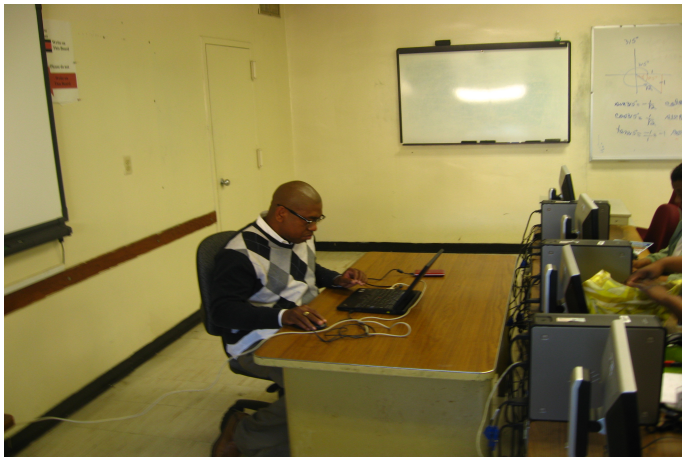


Figure: Instructor

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- It is most often used to describe the performance gaps between many African-American and Hispanic students and their non-Hispanic white peers.
- It is also used to refer to the similar academic performance disparity between students from low-income and well-off families.
- This gap shows up in grades, standardized-test scores, course selection, dropout rates, and college-completion rates.

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- In today's world, economic access and full citizenship depend crucially on math and science literacy.[bob moses-radical equations]

The Challenge-The Layers

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- Individual-Time, Motivation, Help

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- The challenge of maintaining a high quality educational infrastructure at the institutions in which these students are enrolled including the curriculum, personnel and physical facilities.

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- Undergraduate research
- Scholarships integrated into special programs
- College to graduate school transition program in mathematics

bibliography

SYLVIA T. BOZEMAN, *Undergraduate Mathematics: Promising Recruitment and Retention Strategies to Ensure Diversity in the STEM Pipeline* September 22, 2009