## MATE MATTERS

The 2011-2da2demic year will bring new opportuni es and calleTibesCollege i

IT HAS BEEN AN EVENTFUL YEAR FOR THE FACULTY of the Center for Math Educas Fellow

or Lawrence Clark, with colleagues in the Mathema cs Department, Noyce fellowships for pre-service secondary teacher candidates. We the grant has been awarded! Dr. Clark and colleagues will use the grant ment ac vi es and scholarships for student interested in becoming ds schools. Lisa Boté and Ann Edwards launched hybrid teacher wfisfi7d[nl]" 'Jsqwut vfisfi7d[ty;]" 'J[t";v]" 'Jtqs M'dsheunbreakvfissdi7hdk 17'Jko17'Jtqsx

This cohort of Prince George's County teachers graduated in December 2010 with an M.Ed. in Middle School Mathematics Teaching and Learning. This cohort was partially supported by an Improving Teacher Quality grant

from the Maryland Higher EducatAkrluAkArzzyctccw&calaBAztcakAkclAkAzuAkazuA





## The Quantitative Study Project by Toya Jones

A er more than a year of data collec on, our research team has finally se led into the wri ng, revising, and dissemina ng phase of the project. We are working on three dra s for publica on. From our preliminary analysis, we have found that upper-elementary (grades 4 and 5) and middle-school (grades 6-8) teachers' pedagogical content knowledge was significantly related to their students' academic achievement. For upper-elementary teachers, content knowledge and their awareness of their students' disposi ons towards mathema cs were significantly related to student achievement as well. Based on the results of our secondary analyses of teacher knowledge and teacher beliefs, we will re-run our models to include new variables that may help to be er explain the rela onship between teacher- and school-level characteris cs and teachers' mathema cal beliefs and knowledge.

These ini al findings were presented at annual mee ngs of the American Educa onal Research Associa on and the Research Pre-session of the Na onal Council of Teachers of Mathema cs. The discussants and audiences received our findings with interest and found the results intriguing, par cularly that teachers' awareness of their students' mathema cal disposi ons influenced student achievement. We also learned from the work of other re[n]]'Jtqx uy [h]]'Jtt"; tu] &; tu] 'Jtt'; u u qy xw fis Jw t.ge

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use student data to make decisions that shape mathema  $\ \ c$ 

## Changing the Equa on to Improve Math and Science Learning by Dr. Linda R. Rosen

In 2010, President Obama launched his "Educate to Innovate" campaign that aims to improve the par cipa on and performance of Americatu 7'7' Jtqu yxfisfi 7d'J ?t';x

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