



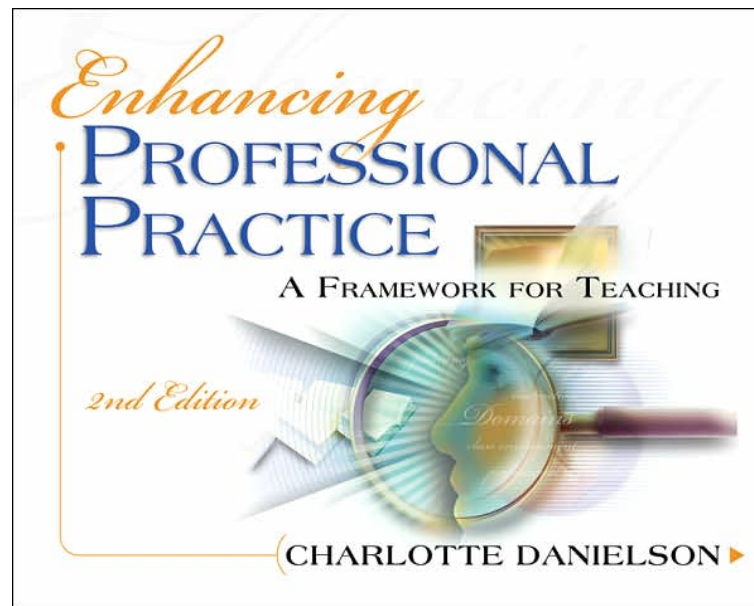
## Clinically Rich Teacher Preparation

Lehman College  
City University of New York  
Bronx, New York



# + What if...

teacher education programs and P12 schools spoke a shared language that focused on student learning?



# + What if...

outstanding candidates who looked like the children in Bronx schools were given the financial resources they needed to concentrate on an intensive course of study that combined graduate level course work and immersion in a partnership elementary school?



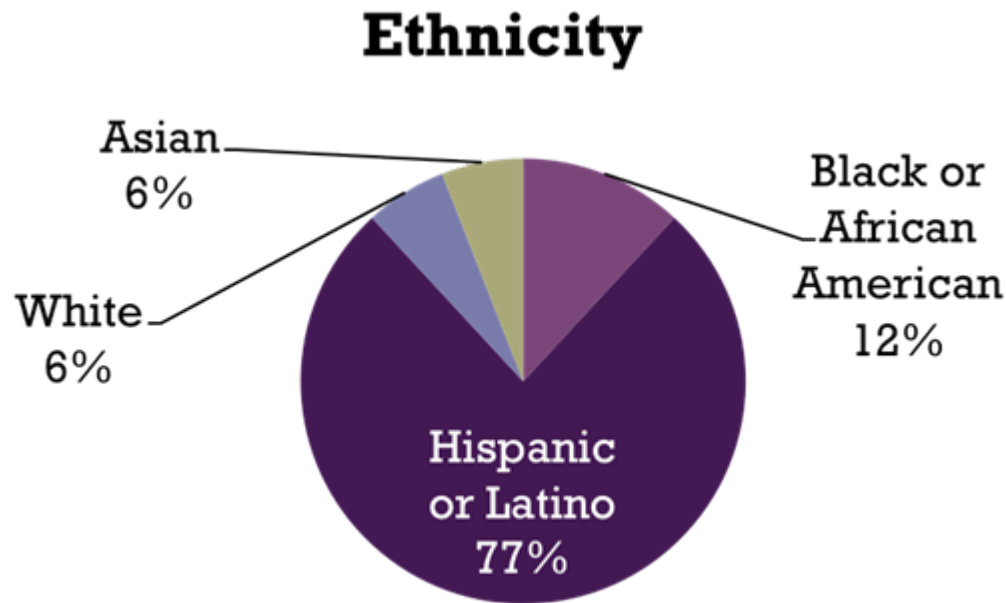
## Admission Requirements

- A cumulative grade point average of 3.25 for all undergraduate coursework from all academic institutions attended.
- Two letters of recommendation
- An interview with MATH-UP program personnel and an interview in Spanish for students who will be taking the bilingual extension
- A math competency exam, a writing sample, and a Spanish writing sample (for students who will be taking the bilingual extension).

# + Cohort One: Candidate Demographics

19 Females; 1 Male

69% Attended New York City Schools



# + What if...

teacher education established partnerships that led to simultaneous reform of preparation programs and schools?

## Our Partner Schools

- P.S. 1      JORGE PERDOMO, PRINCIPAL
- P.S. 55      LUIS TORRES, PRINCIPAL
- P.S. 58      VELMA GUNN, PRINCIPAL
- P.S. 73      JEAN MIRVIL, PRINCIPAL
- P.S. 114      OLIVIA FRANCIS-WEBBER, PRINCIPAL

# + What if...

teacher education program design was based on identified community needs?

Children with Special Needs



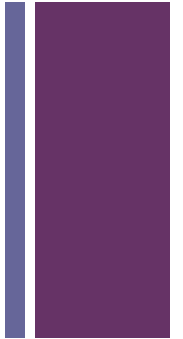
English Language Learners





# What if....

performance assessment was at the center of clinical training for candidates and an essential part of classroom instruction?



## For Candidates

- Videotape #1  
Baseline Lesson
- Videotape#2  
Formal Assessment
- Videotape #3  
Continuous  
Improvement

## For Children

- Keeping Learning on Track (KLT) is a sustained, interactive professional development program that supports teachers to adopt minute-to-minute and day-by-day assessment for learning (AfL) strategies.
- The ETS Math Challenges (MC) are age and grade appropriate constructed-response tasks with multiple steps that cover key mathematical skills or concepts aligned with common core curriculum standards.

# + What if...

special attention was paid to mathematics in order to ensure that elementary youngsters have the skills necessary to enter the STEM pipeline?



➤ Two mathematics methods courses

➤ Practicum in mathematics remediation



# + Indicators of Success

Summary of Responses to the Question: Compared with how you felt prior to the Summer Mathematics Institute, how would you describe your current comfort level in your role as a teacher of elementary school mathematics?

Comfort Level	Cooperating Teachers		Pre-Service Teachers	
	Number	%	Number	%
Less Comfortable	0	0	5	25
About the Same	5	22.7	4	20
More Knowledgeable	15	78.2	11	55
Not Applicable	2	9.1	0	0
	22	100%	20	100%

Knowledge Ratings at the End of the 2011 Summer Institute

Item	Cooperating Teachers	Pre-Service Teachers
	Positive Ratings (3-5)	% Positive Ratings (3-5)
Keeping Learning on Track	90.4%	75%
Assessment for Learning Techniques	85.6%	75%
Using Math Challenges in the Classroom	85.7%	60%
Pedagogical Decisions	86.4%	45%

# + Scaling Up: Challenges

## Resources

- Time
- Reward Structures
- Technology

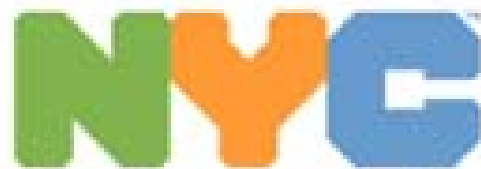
## Affordability

- Scholarships
- Forgivable Loans

# + Our Partners



Research for Better Schools



**Department of  
Education**

*Dennis M. Walcott, Chancellor*



# + Support Provided By:



U.S. Department of  
Education



New York State Department of Education

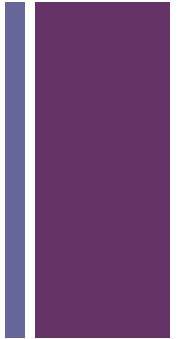


J.P Morgan Chase Foundation

**The Community  
Investment Network<sup>SM</sup>**



# Lehman College's Math Up Team



- Harriet Fayne, Principal Investigator
- Arlene Weinstein, Project Director
- Anne Rothstein, Research Coordinator
- Tony Plata, Coordinator of Student Services
- Andrea Barra, Assessment Coordinator
- Naliz Sadik, Media Specialist
- Teinelle Philpotts, Administrative Assistant

## Lehman Faculty in Partner Schools

Nancy Dubetz

Cecilia Espinosa

Anne Marie Marshall

Laura Roberts

Victoria Rodriguez