Teachers
Empowered to
Advance
CHange in
MATHematics

Prospective Teachers' Perceptions, Beliefs, and Dispositions Toward Students' Family, Community, and Culture

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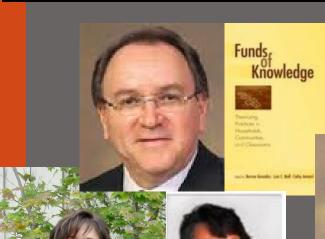
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National Science Foundation Award No. (DRL #1228034)

Theoretical Perspectives





Moll, Amanti, Neff, & Gonzalez, 1992



Civil, 2007





Gay, 2010



Ladson-Billings, 1994



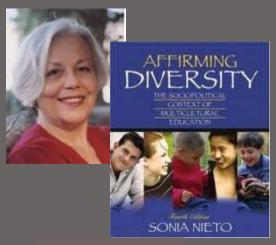
Lipka, et al., 2005



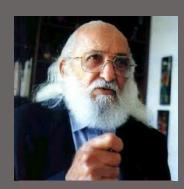
Leonard, 2008

Moschkovich & Nelson-Barber, 2009

Theoretical Perspectives



Nieto, 2004



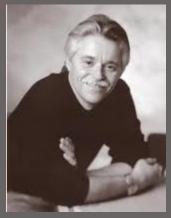
Freire, 1998



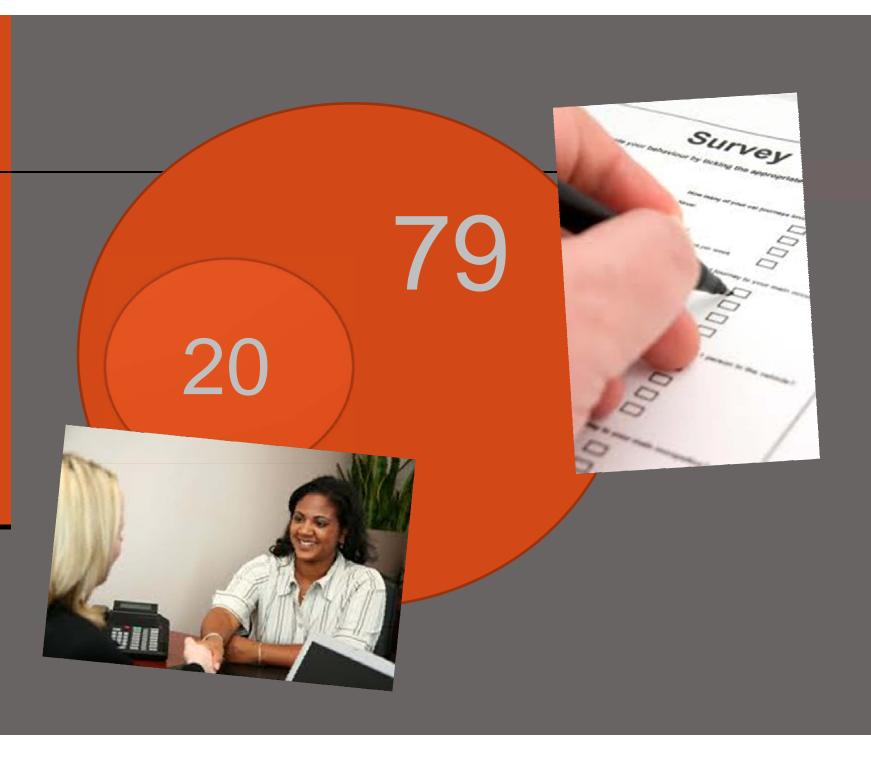
Delpit, 1995

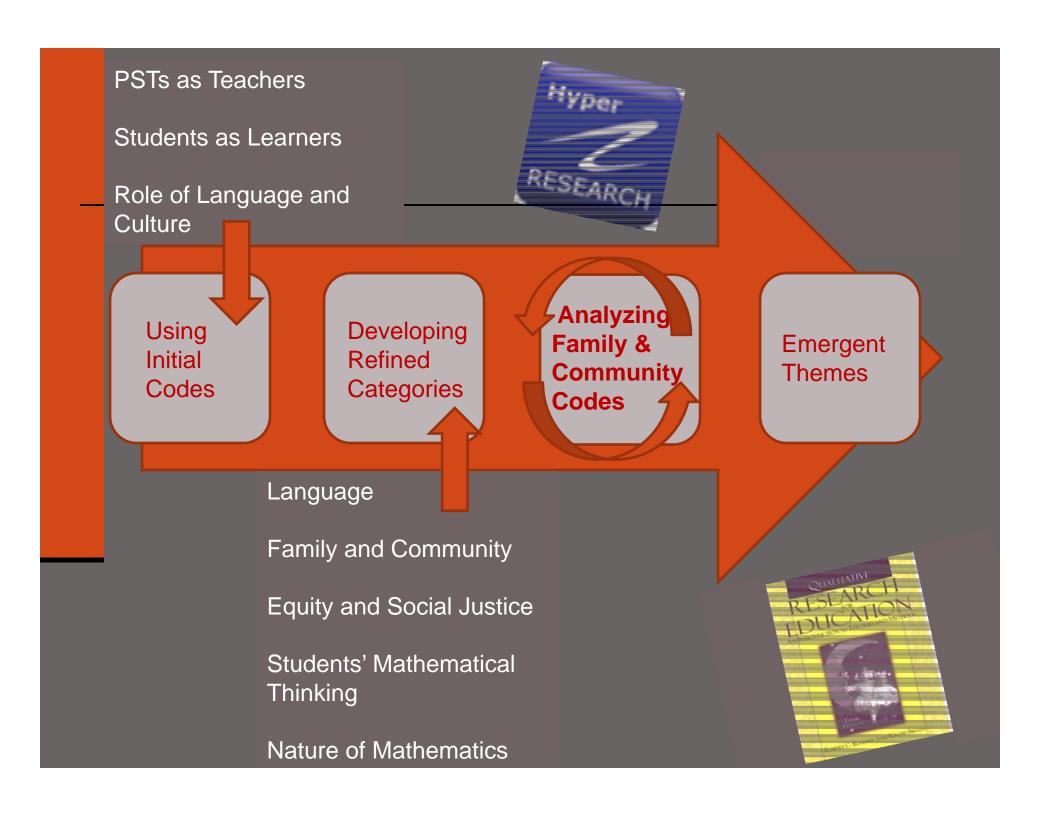


Nasir, Hand, & Taylor, 2008



Howard, 1999

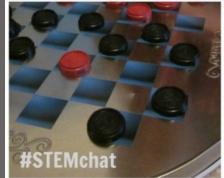








how to raise kids who *love* math



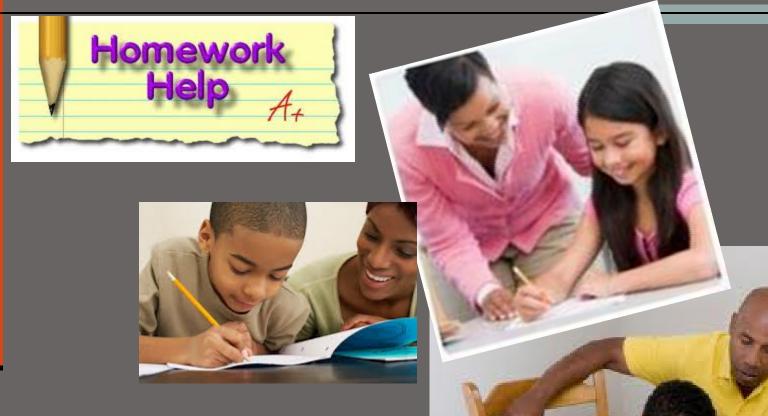




Family Attitudes and Actions

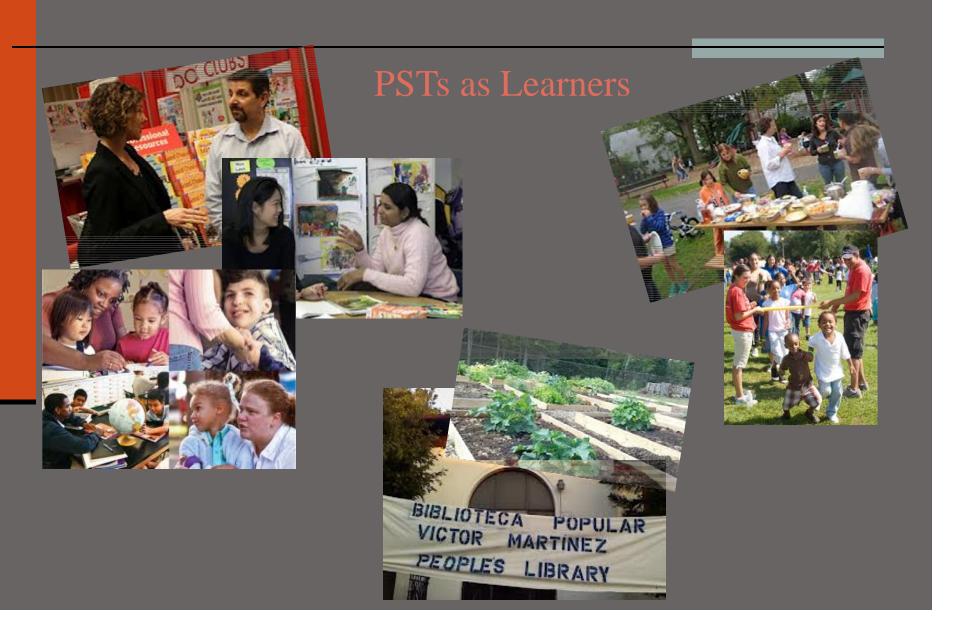






Parental Responsibility

Forming Relationships With Families



Forming Relationships With Families





Dear Parent,

It was good to talk with you at conferences! I wanted to shere with you some positive news regarding Ann. I am so proud and impressed with the way she conducts herself as a person and as an ambassador for our school. As you may know, her class has gotten 2 new students in the last few weeks. She has taken many measures to show them around the school, introduce herself and pay kindness to these new students. It is very hard to come to a new school at this age, and Ann has gone out of her way to make sure they are comfortable.

We are so lucky to have someone so giving here at our

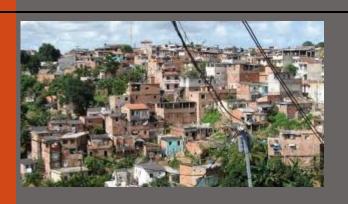
Parent meeting

| Description | Description



Communication

Forming Relationships With Families









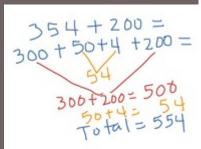


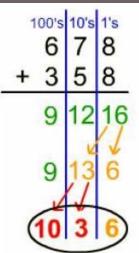




Drawing on Family and Community Resources in Instruction









Bringing Home and Community Practices Into the Classroom

Drawing on Family and Community Resources in Instruction



Sending Classroom Practices
Into the Home





Discussion

The Influence of Family and Community on Mathematics Learning



Discussion

Forming Relationships With Families



Discussion

Drawing on Family and Community Resources





354+200 = 300+50+4+20	0 =
300+200=50 50+4=5	54

	100's	10's	1's
	6	7	8
+	3	5	8
	9	12	16
	9	13	6
	10	3	6







Teachers
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Thank you!

For more information TEACH MATH Website:

http://mathconnect.hs.iastate.edu