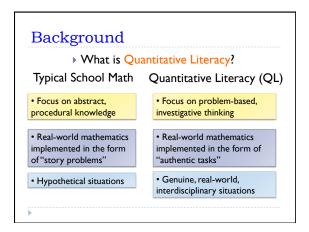
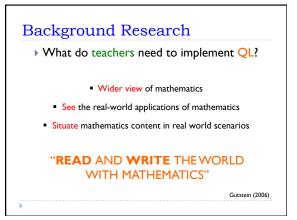




Advocate for use of "real-world" mathematics Examples from the CCSS:

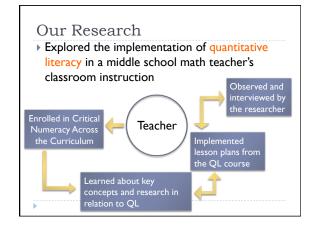
- 6.EE.B.6: Use variables to represent numbers and write expressions when solving a real-world or mathematical problem
- 7.EE.B.3: Solve multi-step real-life and mathematical problems
- 8.EE.C.8c: Solve real-world and mathematical problems leading to two linear equations in two variables.
- > MP4: Model with mathematics.





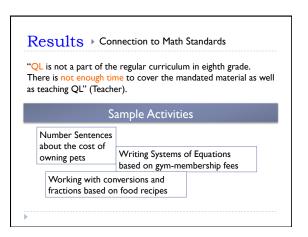
Critical Numeracy Across the Curriculum

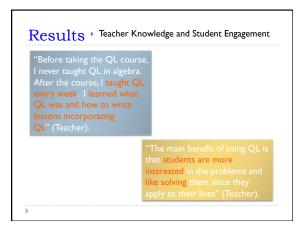
- Mathematical Literacy
- Statistical Literacy
- Scientific and Health/Nutrition Literacy
- Social Numeracy and Financial/Economic Literacy
- Information, Media, and Internet Literacy
- Quantitative Literacy and Social Justice
- Assessing Quantitative Literacy
- Policy and Practice Implications of QL for K-12+ and Teacher Education

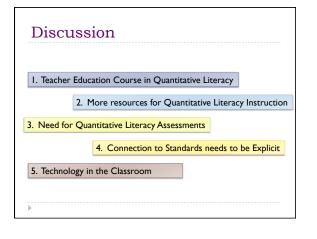


Data Collection Data Collection Observations, Interviews, Lesson Plans Sample Questions: Why do you use QL in your classroom? How do you implement QL in your classroom? Has there been any change in the QL you teach in your math classroom?

Research Real Data			Know Rules of Mathematics	
Represent Data Using Graphs and Charts	Students			
	Analyze Data			
		Mathem Daily Li	acreo m	
"Luse OL in my cla	ss because it is		nt for studer o the <mark>real wo</mark>	







Examples of QL Lessons

- Movie Rental Costs
- America's Top Ten Video Games
- Carpet the Classroom
- The Values of Education
- > Call Me, Call Me Any Anytime
- Choosing the Right Credit Card
- Business of Math: School Store Tasks
- The Cost of Having a Best Friend

Websites for QL

- Chance: http://www.dartmouth.edu/~chance/index.html
- Radical Math: <u>http://radicalmath.org/</u> Articles, books, blog and links to websites.
- Mathematical Association of America: http://www.maa.org/ql/
- Information and reports on practices and achievement.
- The National Numeracy Network: http://serc.carleton.edu/nnn/ index.html
- E-Journal, teaching resources, projects and events.
- National Council on Economic Education: http://www.councilforeconed.org/about/
- National Numeracy and Literacy Week: <u>http://www.nlnw.nsw.edu.au/</u>
- The Young People's Project: <u>http://www.typp.org/</u>
- Test Your Quantitative Literacy: http://voices.washingtonpost.com/x-equals-why/2009/02/test_your_quantitative_literac.html

References

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- National Governors Association Center for Best Practices & Council of Chief State School Officers (CCSSO). (2009). Common core standards. Retrieved November 1, 2010, from http://www.corestandards.org/FAQ.htm



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