Assessment in a QR course for Business Students

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Joint Math Meetings 2014
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Auto Finance Specialist:

“I never was very good at math.”
Course objectives:

1. Formulas
2. Prop’l Reasoning
3. Linear Functions
4. Exponential Functions
5. Problem Solving
Quantitative Reasoning for Business
An Inquiry-Based Approach

About the course:

1. IBL
2. Conceptual
3. Authentic Bus. Prblms
4. Linked with ENGL
Assessment Principles:

1. Mastery – what is learned by end?
2. Holistic rubrics
3. Meaningful (minimized timed exams)

How did it work??
Explorations and Portfolio

Examples:
1. Fry Efficiency
2. Stock Splits
3. Linearity
4. Exponentiality
5. Credit Card Problem
Capstones

1. Student loan interest deduction
2. Track grades/gpa
3. Tax policy analysis
4. US federal debt
Project

1. Teach yourself something
2. Explain it
3. Solve problems
4. Share your learning
Other

1. HW
2. Exams
3. Group-Quizzes
Informal Assessment
Assessing the Course:

1. Tracking
2. Anxiety/Beliefs
Assessment in the Writing Course:

1. Formula Assignment
2. Career Project
3. US Federal Debt
4. Letters
Student quotes:

“I realized the reasoning behind equations, what it meant and how people put them together.”

“You converted a person who loathed math into someone who finally understands it.”
Student quotes:

“The discussions are amazing and can carry on for days, but by the end, you understand it and you are able to teach it to yourself.”

“The English course fits right together with the Math class ... Who would have thought Math and English could be so adjacent?”
Future Plans:

1. two courses
2. quant. ethics
3. linked + unlinked
Future Assessment:

1. tracking/affect
2. QLRA
3. Habits of Mind
Quantitative Reasoning for Business
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Watch for opportunities!

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