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Overview



- What is NICHE?
- The development of NICHE
- · Results from the summer 2013 course
- Concluding thoughts
- Source: Helen Musselwhite http://www.helenmusselwhite.co.uk

What is NICHE?

- Numeracy Infusion Coursefor Higher Education
- · A predominantly online course that is delivered through Blackboard
- A complement to the NICHE website, a repository of resources for quantitative reasoning instruction



http://serc.carleton.edu/NICHE/index.html

www.teachgr.com/

Development of NICHE

- Teaching QR is the responsibility of all faculty.
 - "Like learning to write well or speaking a foreign language, numeracy is not something mastered in a single course. . . . Quantitative material needs to permeate the curriculum, not only in the sciences but also in the social sciences and, in appropriate cases, in the humanities. (Bok 2006: 104)
- QR skills deficits exist among students everywhere, but especially at CUNY.
- NICHE builds on a QR faculty development program initiated at Lehman College in the fall of 2010.

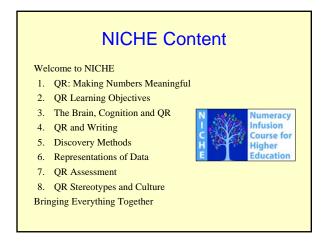


NICHE Goals

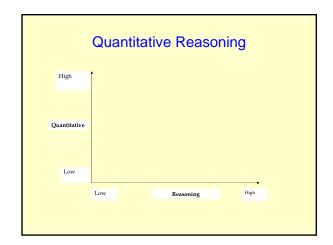
- Provide instruction on best practices for teaching QR. Engage faculty in activities, learning exercises and discussions that promote a better understanding of how to teach QR.
- Foster the development of instructional materials that make use of effective strategies for teaching QR and that ultimately improve students' understanding of QR.
- · Infuse QR into a wide range of disciplines and CUNY institutions.
- Increase faculty interest and comfort in teaching QR. Strengthen participants' QR skills, if necessary.
- Establish a network of CUNY faculty who are committed to improving the QR skills of our students.

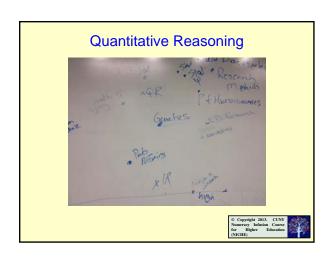
Best Practices for Teaching QR

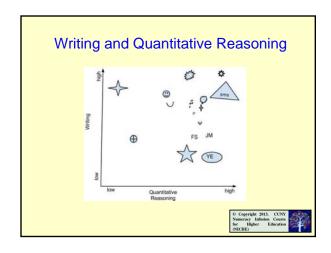
- · Use real-world applications and active learning, including discovery methods.
- · Pair QR instruction with writing, storytelling and critical
- · Use technology, including computers, appropriately.
- · Engage in collaborative instruction and group work.
- · Be sensitive to differences in culture and learning styles.
- · Scaffold the learning process. Provide feedback and opportunities for revision.

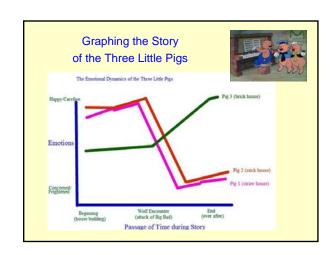


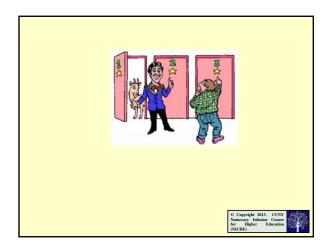


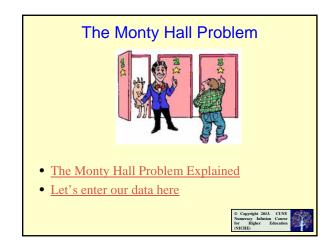


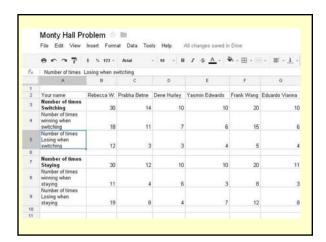












Concluding Thoughts

- Successes
 - Interactive and dynamic discussions about readings, course materials, exercises, etc.

NICHE has caused faculty to rethink their pedagogy.

- A wide array of high-quality instructional materials that address critical QR skills
- A sense of community, with faculty working collaboratively to help one another

Concluding Thoughts

- Challenges
 - Technology
 - Faculty with lower levels of commitment to NICHE