

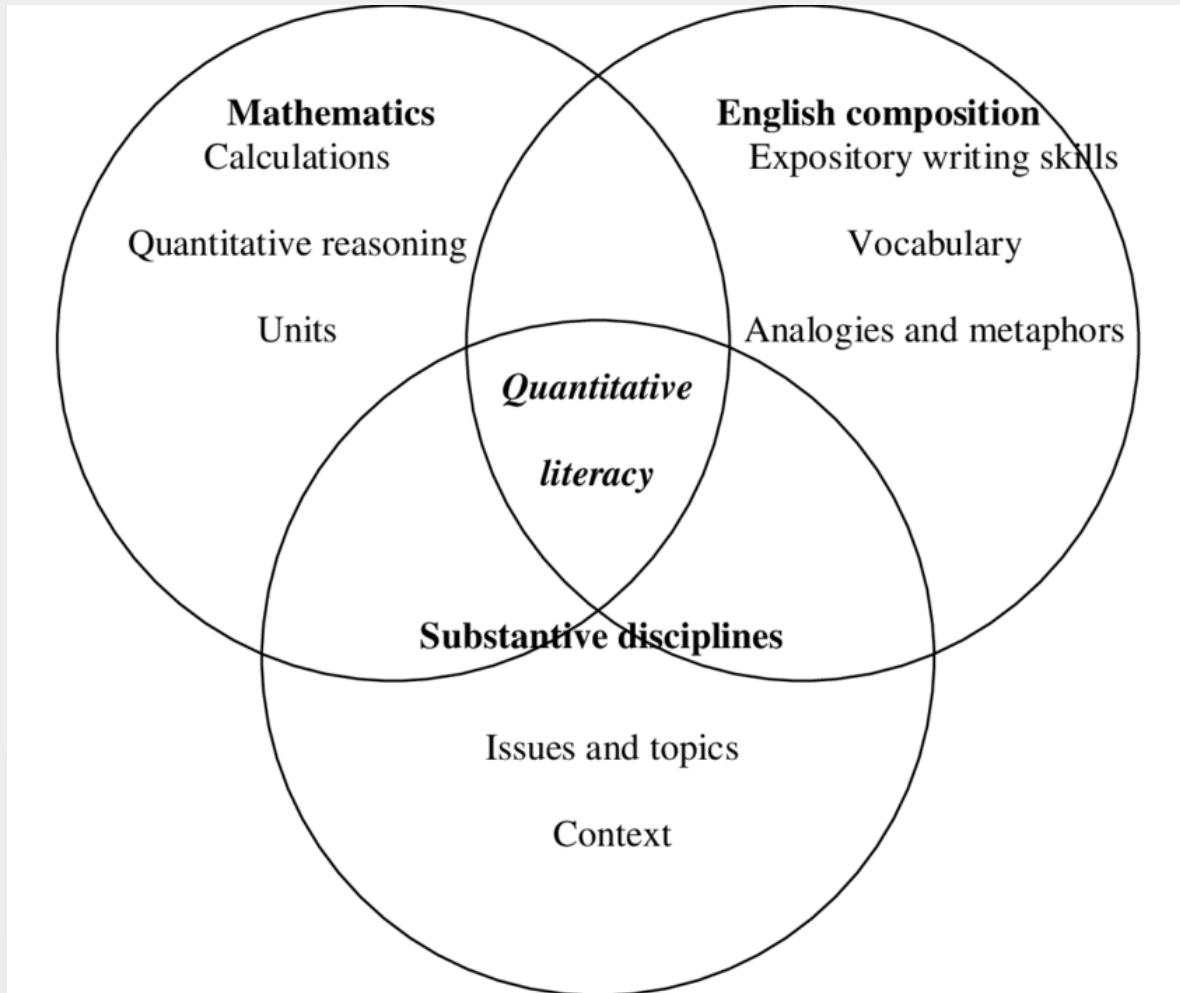


Infusing Quantitative Reasoning Skills in the Disciplines

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and Diane K. McDaniel (Professor of Geology)
Quantitative Reasoning in the Disciplines

22 November 2019

How We Think About Quantitative Reasoning

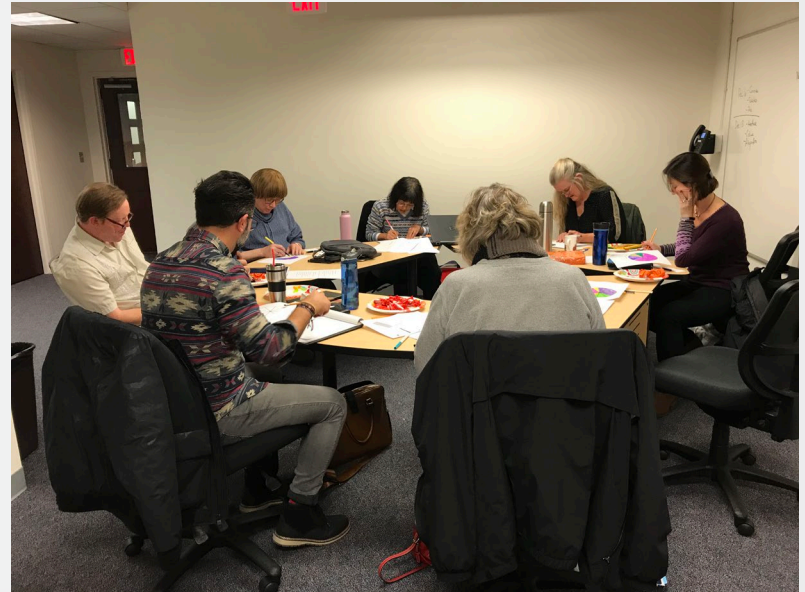


QRiD-Type Programs Across the Country

- Carleton College QuIRK Quantitative Reasoning, Information, and Knowledge
- Hunter College Quantitative Reasoning Across the Curriculum
- Bridgewater State University QuAC Quantity Across the Curriculum

QRiD's Purpose at MC

All faculty have some QR skills that they could infuse into their courses without sacrificing disciplinary content. Our task is to help them discover and implement those skills.

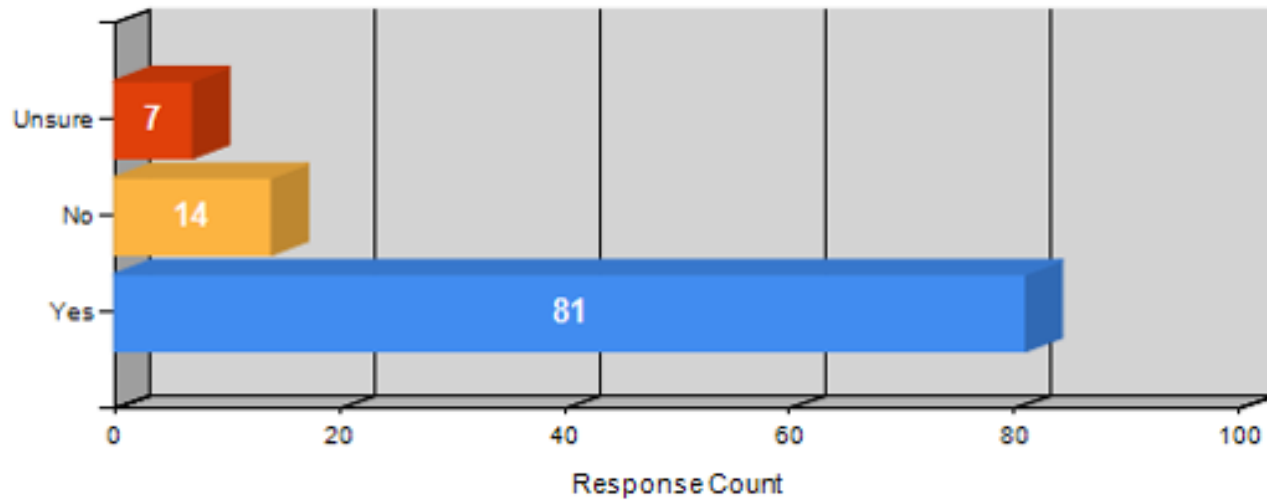


Disciplines Represented in 2018-2020 Cohorts

- Biology
- Chemistry
- Health Information Management
- Mathematics & Statistics
- Sociology
- English Language for Academic Purposes
- English
- Communications
- Spanish/French
- History/Political Science

8. Are you aware that quantitative reasoning is a competency in Montgomery College's general education program?

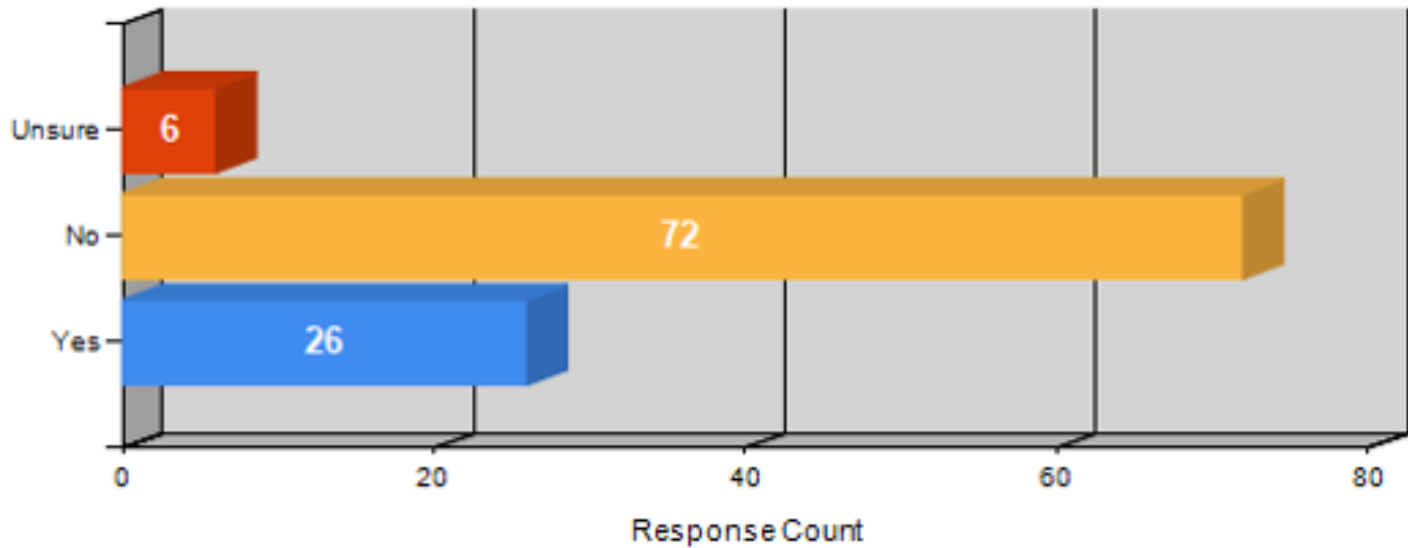
Total Respondents: 102
Total Skipped: 3



Choice	Response Percent	Response Total
1 Yes	79.41%	81
2 No	13.73%	14
3 Unsure	6.86%	7

9. Have you ever attended a professional development event focused on quantitative reasoning?

Total Respondents: 104
 Total Skipped: 1



	Choice	Response Percent	Response Total
1	Yes	25.00%	26
2	No	69.23%	72
3	Unsure	5.77%	6

Early Efforts at Establishing QRiD

- Workgroup Model – why it didn't work
- ELITE Workshops
 - Writing with Numbers
 - Survey Basics
 - Roundtable Discussions
- Special Events
 - Understanding Primaries
 - “Hidden Figures in Our Disciplines”
 - Klee Talk: “Understanding Math Anxiety...”

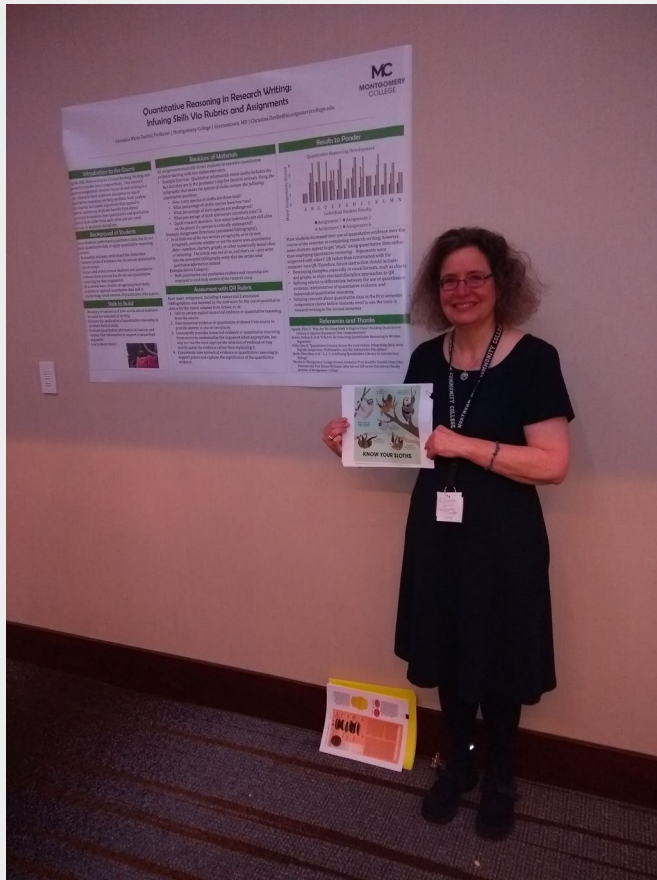


QRiD Fellowship Program Structure



- Cohort Model
- Course-Release Compensation
- Curriculum: peer-reviewed studies, sample activities, cohort interaction, and space for creativity
- Action Research

Projects and Outreach by QRiD Fellows



Next Steps...

Using the post-it notes, identify:

- The strengths your institution might harness to create or expand a QRiD-focused program.
- The obstacles you would need to overcome to have a successful QRiD-focused program.



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