



Workshop Facilitators

Nathan Grawe is Professor of Economics and Director of the [Quantitative Inquiry, Reasoning, and Knowledge \(QuIRK\)](#) initiative at Carleton College. The QuIRK initiative has developed a rubric for assessing quantitative reasoning (QR) in student written work.

Rebecca Hartzler is Professor of Physics and Interim Dean for Math and Science at Seattle Central Community College. She is co-PI on the NSF-funded Mathematics Across the Community College Curriculum and has received numerous other QR-related grants. Hartzler currently serves as Secretary of the National Numeracy Network.

Linda Kirstein is Director of the [Quantitative Skills Program](#) at Bowdoin College. The Program assesses incoming students and provides support for students enrolled in quantitative courses.

Neil Lutsky is Professor of Psychology at Carleton College. He was the first Director of Carleton's QuIRK initiative. In that role, he led the development of QuIRK's writing-based assessment rubric and program of professional development. Lutsky currently serves on the Board of the National Numeracy Network.

Bernie Madison is Professor of Mathematics at the University of Arkansas. He also is Emeritus President of the National Numeracy Network. Through the Mathematical Association of America, Madison directs [national efforts to assessment student achievement](#). He also is also working on [link 'Quantitative Reasoning in the Contemporary World'], a set of case studies that support QR instruction.

Cathy Manduca is Director of the [Science Education Resource Center](#) (SERC) at Carleton College. SERC supports improvements in science education by organizing workshops and developing web-resources that link teaching resources, pedagogy and discussion.

Suzanne Mente is Assistant Director of Instructional Services and Coordinator of Quantitative Literacy at Alverno College. The [Alverno program](#) infuses QR throughout the curriculum and has developed means of assessing it at the college, course and student levels.

Carol Rutz is Professor of English and Director of the [Writing Program](#) at Carleton College. She has worked extensively with the College's QuIRK initiative to evaluate quantitative reasoning in student writing.

Milo Shield is Professor of Business Administration at Augsburg College and Director of the [W. M. Keck Statistical Literacy Project](#). In addition to contributing to QR curriculum, the Project has developed materials to assess students' facility with QR before and after exposure to a QR course. Shield also serves as Vice President of the National Numeracy Network.

Lynn Steen is Professor of Mathematics and Special Assistant to the Provost at St. Olaf College. A former president of the Mathematical Association of America, he was Project Director for Quantitative Literacy, an initiative of the National Council on Education and the Disciplines. In addition, he has authored numerous books on quantitative reasoning and its assessment.

Donna Sundre is Professor of Graduate Psychology and Executive Director of the [Center for Assessment and Research Studies](#) at James Madison University. At the Center, Sundre is PI on an NSF-funded project to assess the generalizability to other institutions and student populations of the [Quantitative Reasoning Test](#), an assessment of students QR after completing their general education requirements.

Christopher Tassava is Assistant Director of Corporate and Foundation Relations at Carleton College. He has worked intimately with the College's QuIRK initiative, helping to secure grants from the US Department of Education, the National Science Foundation, and the W.M. Keck Foundation.

Corri Taylor is Professor of Economics and Director of the [Quantitative Reasoning Program](#) at Wellesley College. She currently serves as President of the National Numeracy Network.

Len Vacher is Professor of Geology at the University of Southern Florida. He also is Emeritus Director of the National Numeracy Network and currently serves as co-editor of its journal, [Numeracy](#). Vacher has also spearheaded an effort to teach QR through the use of [Spreadsheets Across the Curriculum](#).