

Matthew Vick
Professor and Interim Associate Dean
University of Wisconsin-Whitewater

EDUCATION:

Doctor of Philosophy – Urban Education, specialization in Curriculum and Instruction (2009)

University of Wisconsin-Milwaukee

Master of Science – Curriculum and Instruction (2003)

University of Wisconsin-Milwaukee

Bachelor of Science – Chemistry with Honors (2000)

University of Wisconsin-Madison

ADMINISTRATIVE POSITIONS:

Interim Associate Dean—School of Graduate Studies—UW-W	<i>2017-</i>
Interim Director of Learning Technology—UW-W	<i>2020-</i>
Chair, Department of Curriculum and Instruction—UW-W	<i>2015-2017</i>

ACADEMIC POSITIONS:

Professor of Curriculum and Instruction—UW-W	<i>2018-</i>
Associate Professor of Curriculum and Instruction—UW-W	<i>2015-2018</i>
Assistant Professor of Curriculum and Instruction—UW-W	<i>2009-2015</i>
Lecturer—UW-W	<i>2008-2009</i>

LEADERSHIP EXPERIENCE AND ACCOMPLISHMENTS:

Interim Associate Dean—School of Graduate Studies—UW-Whitewater, 2018-

Immediate supervisor for the graduate student service examiner and officer manager; served as chair of graduate council in absence of Associate Provost/Dean of Graduate Studies on numerous occasions; provided project management support for curricular proposals related to new/revised graduate programs: MSE-Higher Education Leadership, MS-Communication, MS-Instructional Design and Learning Technology, and MS-Business Education; provided coaching and mentoring to Partners in Education (PIE) concurrent enrollment coordinator; administratively supported MSE-Professional Studies and English as a Second Language licensure cohorts in area school districts; managed budgets for cohorts and online-teaching support; co-managed budgets for self-supporting graduate programs (MS-Computer Science, MSE-Higher Education Leadership, MS-Communication; Master of Social Work); served as collaborative link with College of Business and Economics for recruiting and marketing of online non-business graduate programs through the UWW Online brand; served on all graduate audit and review committees

Interim Director of Learning Technology—UW-Whitewater, 2020-

Immediate supervisor for five staff members; served as the liaison between Information Technology and academic deans and other unit leaders on campus; provided guidance for efforts to promote technology adoption; provide environmental scan on learning technology for CIO and Provost's Office; led Learning Technology Advisory meetings to set vision for trainings and offerings

Learning Technology Faculty Innovation Fellow—UW-Whitewater, 2018-2020

Piloted work with Realizeit adaptive learning; provided project management for new contract adoption and second Realizeit pilot with statistics course; consulted on ePortfolio initiative; supported Graduate Online Teaching workshop series conducted by LTC

Interim Associate Dean—School of Graduate Studies & Continuing Education, 2017-2018

Worked with School District of Jefferson to develop a Master's of Science in Education cohort program that provided professional development focused on district priorities; marketed and coordinated concurrent enrollment Partners in Education (PIE) program; met with school districts and developed 1+3 degree plan routes for business, education, and computer science majors; chaired audit and review committees for Masters of Public Accounting and MS-Business Education degree program reviews; supported and coordinated two professional development sessions run through Continuing Education, directed Grandchildren's University

Chair, Department of Curriculum and Instruction—UW-Whitewater, 2015-2017

Supervised 20 faculty members, 4 academic staff, 1 support staff, and 6-10 adjuncts; interviewed and hired adjunct instructors and field supervisors; interviewed candidates for 5 open faculty positions; chaired monthly department meetings; represented department at college's administrative council; chaired tenure and promotion meetings for probationary faculty & those seeking promotion; approved scheduling and expenditure requests; coordinated supervision by faculty and staff of student teachers; handled student concerns (grades, complaints about advising, grievances, etc.); managed department budget

PEER REVIEWED PUBLICATIONS:

- Vick, M.E. (2019). Piloting an adaptive learning platform with elementary/middle science methods. *Innovations in Science Teacher Education*, 4(4). <https://innovations.theaste.org/piloting-an-adaptive-learning-platform-with-elementary-middle-science-methods/>
- Vick, M.E. (2018). Designing a third space science methods course. *Innovations in Science Teacher Education*, 3(1). <http://innovations.theaste.org/designing-a-third-space-science-methods-course/>
- Vick, M.E. (2017). Integrating science methods with professional development: How third space science methods courses benefit pre-service and in-service teachers. *Science and Children*, 55(1), 42-47.
- Vick, M.E., & Reichhoff, N.F. (2017). Collaborative partnerships between pre-service and in-service teachers as a driver for professional development. In R.M. Reardon & J. Leonard (Eds.) *Exploring the community impact of research-practice partnerships in education. A Volume in the series: Current perspectives on school/university/community research* (pp. 199-224). Information Age Publishing: Charlotte, NC.

- Vick, M.E., & Garvey, M.P. (2016). Environmental science and engineering merit badges: An exploratory case study of a non-formal science education program and the U.S. scientific and engineering practices. *International Journal of Environmental and Science Education*, 11(18), 11675-11698.
- Vick, M.E. (2016). Methods & strategies: Beyond the textbook but not just “hands on”: Using high quality informational texts to meet the Next Generation Science Standards. *Science and Children*, 53(7), 76-80.
- Vick, M.E. (2015). Tried and true: A water cycle of many paths. *Science Scope*, 38(5), 58-63.
- Vick, M.E., & Garvey, M.P. (2011). Levels of cognitive processes in a non-formal science education program: Scouting's science merit badges and the revised bloom's taxonomy. *International Journal of Environmental and Science Education*, 6(2), 173-190.
- Vick, M.E. (2010). Digitizing sound: How can sound waves be turned into 1s and 0s? *Physics Teacher*, 48, 200-202.
- Vick, M.E. (2010). Reducing students’ resistance to circuits with a virtual lab. *Science Teacher*, 77(5), 28-31.
- Vick, M.E. (2010). Student teacher blogs as a method to increase reflection and collaboration. *Teacher Education Quarterly, Special Online Edition*. Retrieved from <http://teqjournal.org/vick.html> on August 18, 2010.

OTHER PUBLICATIONS:

- Vick, M.E. (2014). The four Cs of Next Generation Engineering Standards. *ASCD Express*, 9(9). Retrieved from <http://www.ascd.org/ascd-express/vol9/909-vick.aspx> on July 30, 2014.
- Vick, M.E. (2012). Analyzing breadth and depth of a virtual charter school’s science curriculum. *US-China Education Review A*, 2, 149-163.

PRESENTATIONS AT NATIONAL CONFERENCES:

- Vick, M.E. (2020, November). *Building Variable Assessment Questions for Adaptive Learning Courses: Creating Variety and Challenge Efficiently*. Presented at Online Learning Consortium Accelerate National Conference, Orlando, FL.
- Vick, M.E. (2020, November). *Leveraging Science Education’s 5E Learning Cycle: Designing Online Instruction to Uncover and Challenge Misconceptions*. Presented at Online Learning Consortium Accelerate National Conference, Orlando, FL.
- Vick, M.E. & Weber, N. (2020, November). *Adaptive Blending: Designing for Personalized Online and Purposeful, Higher-Order Face-to-Face Learning*. Presented at Online Learning Consortium Accelerate National Conference, Orlando, FL.
- Vick, M.E. (2019, November). *Adaptive learning course redesign sandbox: Restructuring a curriculum into flexible pathways*. Presented at Online Learning Consortium Accelerate National Conference, Orlando, FL.
- Vick, M.E. (2019, November). *Designing engaging community-based courses with blended and flipped learning*. Presented at Online Learning Consortium Accelerate National Conference, Orlando, FL.
- Vick, M.E. (2019, October). *Adaptive learning: Charting non-linear pathways toward learning*. Poster presented at Educause Annual Conference, Chicago, IL.
- Vick, M.E. & Weber, N. (2018, November). *Adaptive Learning 101: How professors and learning technology centers can collaborate to launch a new adaptive course*. Presented at Online Learning Consortium Accelerate National Conference, Orlando, FL.

- Vick, M.E. & Weber, N. (2018, November) *A discussion about adaptive learning and discussion boards: What role can they serve and what value can they have?* Presented at Online Learning Consortium Accelerate National Conference, Orlando, FL.
- Vick, M.E., & Stevens, N.L. (2018, March). *Flowcharts and technical writing: Using anatomy diagrams.* Presented at NSTA National Conference on Science Education, Atlanta, GA.
- Vick, M.E., & Stevens, N.L. (2018, March). *Lab reports and expository writing: Emphasizing the nature of science in practice.* Presented at NSTA National Conference on Science Education, Atlanta, GA.
- Vick, M.E. (2018, January). *Academic and practical knowledge gains reported by pre-service teachers in a third space methods course.* Presented at ASTE National/International Conference, Baltimore, MD.
- Davis, J., Vick, M.E., & Adams, P. (2018, January). NSTA sponsored session: Preparing preservice teachers for 3D learning to support the Framework for science education. Presented at ASTE National/International Conference, Baltimore, MD.
- Vick, M.E. (2017, November). *Virtual inquiry tools: Designing for an asynchronous learning cycle.* Presented at Online Learning Consortium Accelerate National Conference, Orlando, FL.
- Vick, M.E. (2017, March-April). *School-based science methods courses that provide professional development to in-service teachers.* Presented at NSTA National Conference on Science Education, Los Angeles, CA.
- Vick, M.E., & Falk, P. (2017, January). *Collaborating to teach elementary science methods in the field with K-6 classroom teachers: Benefits for in-service and pre-service teachers.* Presented at Association for Science Teacher Education National/International Conference, Des Moines, IA.
- Vick, M.E. (2015, March). *Informational Literacy: Using Trade Books Instead of Textbooks to Teach Science.* Presented at NSTA National Conference on Science Education, Chicago, IL.
- Vick, M.E. (2012, March). *Informal science inquiry in U.S. Boy Scout science and technology merit badges.* Presented at National Association of Research in Science Teaching, Indianapolis, IN.
- Vick, M.E. (2011, January). *Elementary and middle school science methods syllabus at the University of Wisconsin-Whitewater.* Poster presented at Association of Science Teacher Education International Conference, Minneapolis, MN.
- Vick, M.E. (2010, March). *An analysis of science achievement in Wisconsin's urban charter schools.* Poster presented at NARST National Conference on Science Education, Philadelphia, PA.
- Vick, M.E. (2010, March). *Bringing teachers into the woods: Science methods instruction in the outdoors.* Presented at NSTA National Conference on Science Education, Philadelphia, PA.
- Vick, M.E. (2010, March). *A case study of a virtual high school biology curriculum using the National Science Education Standards and the revised Bloom's taxonomy.* Poster presented at NARST National Conference on Science Education, Philadelphia, PA.
- Vick, M.E. (2010, March). *Increasing the reflective practice of student teachers with blogging and web conferencing.* Presented at NSTA National Conference on Science Education, Philadelphia, PA.

PRESENTATIONS AT REGIONAL/STATE CONFERENCES:

- Vick, M.E., Weber, N., Witt, T., & Cole, A. (2019, April). *Piloting adaptive learning with an upper-level professional course.* Presented at UW-System Virtual Showcase.
<https://www.wisconsin.edu/learning-tech/events-conf/ltcd-virtual-showcase-2019/>

- Vick, M.E. (2017, November). *Preservice and inservice teachers tacking and jibing toward integrated STEM and the science and engineering practices*. Presented at NSTA Area Conference, Milwaukee, WI.
- Vick, M.E., & Schneider, M. (2017, November). *Making waves at the discourse level: Promoting high-quality dialogue with English language learners*. Presented at NSTA Area Conference, Milwaukee, WI.
- Vick, M.E., & King, K. (2017, November). *Badging as a vehicle for engaging all learners*. Presented at NSTA Area Conference, Milwaukee, WI.
- Vick, M.E. (2017, April). *Third space teacher education*. Presented at UW System Spring Conference on Teaching and Learning, LaCrosse, WI.
- Vick, M.E., & Stevens, N.L. (2017, March). *Using flowcharts to connect structure and function*. Presented at Presented at Wisconsin Society of Science Teachers Conference, Oconomowoc, WI.
- Vick, M.E. (2016, April). *Being a transformative cooperating teacher*. Presented at Wisconsin Society of Science Teachers Conference, LaCrosse, WI.
- Vick, M.E., & Blochowiak, C. (2016, February). *Collaborating to teach with inquiry at Rolling Hills Elementary School*. Presented at the University of Wisconsin-LEAP Day.
- Vick, M.E., Stevens, N.L., & Maxworthy-O'Brien, A. (2015, March). *Integrating technical writing into science instruction*. Presented at Wisconsin Society of Science Teachers Conference, Wisconsin Dells, WI.
- Vick, M.E., Blochowiak, C., Christiansen, K., Falk, P., & Sweet, S. (2015, March). *Implementing the Next Generation Science Standards Science & Engineering Practices collaboratively with pre-service and in-service teachers*. Presented at Wisconsin Society of Science Teachers Conference, Wisconsin Dells, WI.
- Vick, M.E., & Stevens, N.L. (2014, March). *But I'm not a reading teacher... Connecting informational text with inquiry based science*. Presented at Wisconsin Society of Science Teachers Conference, Appleton, WI.
- Vick, M.E. (2014, April). *Using informational text to promote science inquiry*. Presented at the University of Wisconsin-Whitewater Early Childhood Conference.
- Vick, M.E. (2013, April). *Efficient and effective grading using D2L rubrics*. Presented at the University of Wisconsin-Whitewater Assessment Day.
- Vick, M.E. (2013, April). *Exploring science for early learners*. Presented at the University of Wisconsin-Whitewater Early Childhood Conference.
- Vick, M.E. (2011, October). *Challenges and opportunities of offering elementary science methods virtually*. Presented at North Central Association for Science Teacher Education.
- Vick, M.E. (2011, April). *Bloggging as a reflective tool for student teachers*. Presented at UW System's 2011 President's Summit on Excellence in Teaching and Learning, Madison, WI.
- Vick, M.E. (2011, March). *Nature walks: An opportunity for cooperative learning and inquiry*. Presented at Wisconsin Society of Science Teachers Conference, Wisconsin Dells, WI.
- Vick, M.E. (2009, October). *Utilizing WKCE and NAEP data*. Presented at the UW-Milwaukee Ph.D. Research Forum, Milwaukee, WI.

DOCTORAL DISSERTATION:

- Vick, M.E. (2009). *Effects of charter schools, race, socioeconomics, and teacher characteristics in Wisconsin's urban school districts*. (Doctoral dissertation, University of Wisconsin-Milwaukee).

SERVICE AND OUTREACH:

Service—UW-Whitewater

- 2010-20** Learning Technology Center (LTC) Advisory Committee
- 2017-18** Research Advisory Committee Member
- 2017-18** Grant Officer Search and Screen Committee Member
- 2017** Director of Admissions Search and Screen Chairperson
- 2014-15** Audit and Review Ad Hoc Member for Art and Entrepreneurship program reviews
- 2014-15** Learning Technology Center Director Search Committee Chair
- 2012-13** LTC Instructional Designer Search and Screen Chair
- 2011** LTC/LEARN Center “Education on the Go” Presenter on D2L Rubrics
- 2010** Learning Technology Center Director Search Committee

Service-School of Graduate Studies and Continuing Education

- 2018** Professional Outreach Coordinator Search Chair

Service-College of Education and Professional Studies

- 2017** College Assessment Council (May 2017)
- 2014** Middle Childhood/Early Adolescence/edTPA committee (Summer working group)
- 2014** Coordinator for COEPS Workshop on Informational Text Strategies
- 2014** Assistant Professor of Standards & Assessment Search Member
- 2012** Middle Childhood/Early Adolescence Program Redesign Summer Working Group
- 2012** Co-Presenter at Student Teacher Supervisor Luncheon: “Bringing Wisconsin’s New Academic Standards into Student Teacher Supervision: What to Look For”
- 2011** Coordinator for COEPS Project Based Learning Conference
- 2011** Transfer Student Advisor Search Committee Member
- 2011** Project STAR Member
- 2011** Presenter-Advanced SMARTBoard Workshops
- 2010** Coordinator for College of Education Assessment Conference

Service-Department of Curriculum and Instruction

- 2017-2018** Chair of Tenure Committee for Assistant Professor Yao Fu
- 2015-2017** Curriculum & Instruction Department Chair
- 2016-2017** Elementary Education Program Coordinator
- 2010-2015** Curriculum & Instruction Curriculum Committee-Chair
- 2014-15** Math Education Search Committee Chair
- 2009-2013** Curriculum & Instruction Department Technology Committee-Member
- 2012** Emergent Literacy Faculty Search Committee Member
- 2011** COEPS and COBE Part Time Transfer Adviser Search Committee-Member
- 2011** Business Education Search Committee-Member
- 2009-2010** Curriculum & Instruction Department Curriculum Committee-Member

Service-Local Communities

- 2013-2017** Organized Science and Engineering Fair at Waukesha County Technical College
- 2014-2018** Whitewater Rotary Club Member
- 2015** Professional Development Workshop for Columbus High School: “Integrating the

- Use of Informational Texts into Content Areas”, February 27, 2015
- 2015** Professional Development Presentation for Mukwonago Area School District:
“Integrating Student Inquiry into the Curriculum”, February 23, 2015
- 2019-2022** Science Fair Judge-St. Joseph, Fort Atkinson
- 2009-2016** Science Fair Judge-St. Joseph, Fort Atkinson
- 2010-2012** Science Fair Judge-Fort Atkinson Science Fair
- 2010** After School Science Enrichment for Whitewater School District

Service—Professional

- 2021** OLC Accelerate Conference Teaching and Learning Track Chair
- 2021** NSTA *Science and Children* Advisory Board
- 2020** NSTA *Science and Children* Advisory Board
- 2019** OLC Conference Proposal Reviewer
- 2019** NSTA *Science and Children* Advisory Board
- 2019** NSTA Committee on Pre-service Teacher Preparation
- 2019** ASTE Publications Committee
- 2018** Item Writer for National Science Foundation DRK-12 (Award #1813254): Developing & Validating Assessments to Measure and Build Elementary Teachers' Content Knowledge for Teaching about Matter and Its Interactions within Teacher Education Settings
- 2018** Praxis Middle School Science National Advisory Committee
- 2018** NSTA Committee on Pre-service Teacher Preparation
- 2018** ASTE Publications Committee
- 2018** Reviewed manuscripts for *Science Education*
- 2017** Reviewed conference proposals for NSTA
- 2017** NSTA Committee on Pre-service Teacher Preparation
- 2017** ASTE Publications Committee
- 2016** NSTA Committee on Pre-service Teacher Preparation
- 2015** Reviewed manuscript for Sage Open
- 2014** Reviewed manuscripts for *The Physics Teacher* and *Review of Education Research*
- 2013** Reviewed manuscripts for *Review of Educational Research*
- 2012** Reviewed conference proposals for ASTE
- 2011** Reviewed conference proposals for ASTE
- 2011** Reviewed conference proposals for NARST
- 2011** Invited Reviewer for the STEPS (Science, Technology, and Education Partnerships)
- 2011** Reviewed manuscript for *International Journal of Environmental and Science Education*
- 2011** Presider at ASTE Annual Conference
- 2010** Reviewed conference proposals for ASTE
- 2010** Reviewed conference proposals for NARST
- 2009** Reviewed manuscript for *Education Economics*
- 2009** Reviewed conference proposals for NARST
- 2009** Reviewed conference proposals for AERA

GRANTS:

Integrating Science and Literacy Learning with English Proficient and English Language Learners
Wisconsin ESEA Improving Teacher Quality Grant Project #14-1211
Co-Director with Dr. Melanie Schneider
March 2014-June 2015
Grant Total: \$87,165

Integrating Science and Literacy Learning with English Proficient and English Language Learners
Wisconsin ESEA Improving Teacher Quality Grant Project #15-1232
Co-Director with Dr. Melanie Schneider
July 2015-June 2016
Grant Total: \$99,992

Collaboratively Implementing the Vision of the Next Generation Science Standards in the Mukwonago Area School District with Pre-service and In-service Teachers
University of Wisconsin-Whitewater Education Outreach Grant
Project Director: Matthew Vick, UWW
Co-Director: Nicholas Reichhoff, Mukwonago Area School District
July 2014-June 2015
Grant Total: \$44,480

AWARDS:

Online Learning Consortium Best in Track Conference Presentation in Blended Learning at Accelerate 2020 Conference

ASTE Innovations in Teaching Science Teachers (National) Award (2018)

College of Education and Professional Studies Research Award (2017)

College of Education and Professional Studies Innovation Award (2016)

Education Outreach Competition (2011)

“Computational and Quantitative Biology Outreach to Southeastern Wisconsin”

Awarded to Robert Kuzoff, Associate Professor of Biological Sciences; Catherine Chan, Associate Professor of Biological Sciences; Hien Nguyen, Assistant Professor of Mathematical Sciences; Matthew Vick, Assistant Professor of Curriculum and Instruction
University of Wisconsin-Whitewater

Emerging Technology Pilot Grant (2009)

"Improving Student Teacher Reflection and Professional Collaboration using Blogs and Web Conferencing"
University of Wisconsin-Whitewater
Total: \$2,000

Richard & Dawn Haney Scholarship/Fellowship - Science Education (2002)

University of Wisconsin-Milwaukee