

Curriculum Vitae

Kathryn Ellen Van Wagoner

kevanwagoner@gmail.com

801.369.7732

ACADEMIC EXPERIENCE

Certificate in Effective Instruction

May 2023

Association of College and University Educators (ACUE)

This certificate signifies my completion of a 25-module course in effective teaching practices requiring the implementation of evidence-based instructional approaches. The credential is co-issued by the American Council on Education and distinguishes faculty for their commitment to educational excellence and student success.

PhD Curriculum & Instruction, Mathematics Education and Leadership

Dec 2015

Utah State University, Logan, Utah

GPA 3.92

Dissertation: "College Student Perceptions of Secondary Teacher Influence on the Development of Mathematical Identity" Adviser: Dr. A. Brown.

Master of Public Administration

June 2003

Brigham Young University, Provo, Utah

GPA 4.0

Bachelor of Arts, Math Education

April 1988

Brigham Young University, Provo, Utah

PROFESSIONAL EXPERIENCE

Director, Developmental Mathematics, February 2012 - June 2025

College of Science, Weber State University, Ogden, Utah

- Provide leadership and direction for the improvement of developmental mathematics curriculum and course delivery
- Supervise 13 full-time instructors, and 24 adjunct instructors
- Provide professional development for faculty
- Develop and implement student success initiatives
- Teach developmental math courses
- Write Intermediate Algebra curriculum for conceptual, contextual, and procedural learning
- Oversee courses, instructors, and the progress of students in Pre-Algebra, First Course in Algebra, Pathway to Contemporary Mathematics, and Intermediate Algebra
- Create new courses to reduce student time spent in developmental courses
- Manage multiple budgets totaling approximately 1 million dollars

- Conduct outcomes assessment and conduct program reviews for the Utah State Board of Regents
- Supervise non-faculty staff, including administrative assistant, department advisor, software manager, and IT service representative
- Design and implement PR and marketing campaigns to build a positive image for the program

Manager, Math Tutorial Services, January 2000 – February 2012

Tutoring & Academic Skills Services, University College, Utah Valley University, Orem, Utah

- Create and manage programs designed to assist students' successful completion of required math courses
- Supervise approximately 40 tutors and lab assistants in the Math Lab, which serves over 3000 students per semester
- Train employees in tutoring pedagogy/andragogy through three levels of CRLA certification
- Teach Developmental and College Algebra
- Co-create and co-teach Math Success course
- Supervise coordinators of special student support programs, such as SLA and Math Pass
- Participate as a member of the TASS Team in department and campus-wide events
- Forecast and manage budgets
- Develop and produce marketing materials to promote the lab
- Assess performance of individual employees and the function of the lab as a whole
- Establish, plan, and implement Math Awareness Week and other special programs sponsored by the lab.

Adjunct Instructor

Department of Mathematics, Utah Valley University

Courses: Intermediate Algebra, College Algebra

Department of English, Utah Valley University,

Courses: Freshman Writing

CONFERENCE PRESENTATIONS

National Presentations

Van Wagoner, K. (2022, November). *Strategies to Promote Student Engagement with Academic Challenge*. Concurrent Themed Session, 48th Annual Conference of the American Mathematical Association for Two-Year Colleges (AMATYC), Toronto, Ontario.

Van Wagoner, K. (2022, March). *Teaching that Builds Mathematical Identity*. Concurrent Session, 5th National Math Summit, Atlanta, GA.

Van Wagoner, K. (2021, October). *Finding the Right Math Path for Success*. Concurrent Themed Session, 47th Annual Conference of the American Mathematical Association for Two-Year Colleges (AMATYC), Phoenix, AZ.

Van Wagoner, K. (2021, October). *Developmental Math Sharing Session*. Concurrent Session, 47th Annual Conference of the American Mathematical Association for Two-Year Colleges (AMATYC), Phoenix, AZ.

Rushton, S., & Van Wagoner, K. (2017, October.) *Higher Ground: Factors that Optimize Learning of Mathematics*. Concurrent Session, 47th Annual Conference of the International Society for Exploring Teaching and Learning (ISETL), Orlando, FL.

Van Wagoner, K. (2013, November). *Advocating for Developmental Math: Can You tell Your Story?* Concurrent Session, 39th Annual Conference of the American Mathematical Association for Two-Year Colleges (AMATYC), Anaheim, CA.

Van Wagoner, K. (2013, February). *To Redesign or Not to Redesign: That is Not the Question*. Pre-conference Institute, 37th Annual Conference for the National Association for Developmental Education (NADE), Denver, CO.

Hamilton, C., & Van Wagoner, K. (2010, November). *Building Bridges, Not Walls: A Campus-wide Approach to Math Success*. Concurrent Session. 36th Annual Conference of the American Mathematical Association for Two-Year Colleges, Boston, MA.

Hamilton, C., & Van Wagoner, K. (2010, February). *Uncorking the Bottleneck: A Campus-wide Approach to First-Year Success in Math*. Concurrent Session, 29th Annual Conference on the First Year Experience, Denver, CO.

Van Wagoner, K. (2009, September). *Successful Practical Ideas for Math Learning Centers*. Pre-Conference Institute, 24th Annual Conference of the National College Learning Center Association (NCLCA), Denver, CO.

Demke, J., Fox, C., Nunez, A., Van Wagoner, K., & Zempter, J. (2009, April). *Hit and Run Tutoring: Leaving No Casualties Behind*. Concurrent Session, 17th Annual Conference of the National Tutoring Association (NTA), Salt Lake City, UT.

Andrade, M., Copas, L., Simmerman, W., & Van Wagoner, K. (2009, February). *Assessing Tutoring Support Centers: Key Principles and Positive Outcome*. Concurrent Session, 33rd Annual Conference of National Association for Developmental Education (NADE), Greensboro, NC.

Howard, L., White, K., & Van Wagoner, K. (2009, February). *Motivating Math Students to Choose Success*. Concurrent Session, 33rd Annual Conference of the National Association for Developmental Education (NADE), Greensboro, NC.

Taylor, K., & Van Wagoner, K. (2008, February). *Revolutionary Change: Solving the Math Problem as an Institution*. Concurrent Session, 32nd Annual Conference of the National Association for Developmental Education (NADE), Boston, MA.

Van Wagoner, K. (2000, November). *Increasing Student Success in Developmental Mathematics Using Individualized Study Plans*. Concurrent Session, 13th International Conference on Technology in Collegiate Mathematics (ICTCM), Atlanta, GA.

State and Regional Presentations

Arnoldsen, K., Hill, D., Roberts, B., Van Wagoner, K., & Zollinger, J. (2023, September). *What's Happening in Utah with Building Thinking Classrooms?* Concurrent Session, Utah Mathematics Association for Two-Year Colleges (UMATYC), Richfield, UT.

Jones, C., Rich, M., & Van Wagoner, K. (2023, March) *Building Thinking Classrooms in Higher Ed*. Concurrent Session, Utah Association of Mathematics Teacher Educators (UAMTE), Ogden, UT.

Van Wagoner, K. (2022, September). *Equitable and Inclusive Mathematics Teaching Practices*. Concurrent Session, Utah Mathematics Association for Two-Year Colleges (UMATYC), Price, UT.

Van Wagoner, K. (2018, May) *Higher Ground: Factors that Optimize Learning Mathematics*. Concurrent Session, College Reading and Learning Association (CRLA) Utah Regional Conference, Logan, UT.

Van Wagoner, K. (2017, April). *Understand and Improve Your Students' Relationships with Mathematics*. Concurrent Session, MAA Intermountain Section Meeting, Ogden, UT.

Van Wagoner, K. (2012, November). *Advocating for Developmental Education: Can You Tell the Story?* Workshop Session, 18th Annual Conference for the Southwest Association for Developmental Education (SWADE), Salt Lake City, UT

Taylor, K., & Van Wagoner, K. (2007, November). *UVSC's Math Task Force: An Institutional Solutions Manual*. Concurrent Session, 13th Annual Conference of the Southwest Association for Developmental Education (SWADE), Salt Lake City, UT.

Sullivan, C., & Van Wagoner, K. (2004, November). *Structured Learning Assistance---A New Idea for Math Success*. Concurrent Session, 10th Annual Conference of the Southwest Association for Developmental Education (SWADE), Las Vegas, NV.

Bell, L., Holdaway, R., & Van Wagoner, K. (2004, November). *Decades of Bells, Whistles and Better Students: Tutoring at an Evolving Institution*. Concurrent Session, 10th Annual Conference of the Southwest Association for Developmental Education (SWADE), Las Vegas, NV.

Institutional Presentations

Van Wagoner, K., & Hansen, A. (2017, October) *Building a Mathematical Mindset*. Invited Presentation, Annual Weber State Advisor Meeting, Ogden, UT.

Van Wagoner, K. (2006, May). *Burned Out or Fired Up: Fighting Job Burnout with Enthusiasm*. Breakout Session, Utah Valley State College Summer University Staff Development Conference, Orem, UT.

LEADERSHIP AND SERVICE

National

Team Lead/Writer, Standards for Pedagogy Update Team (2022-2023), *Crossroads in Mathematics Standards for Introductory College Mathematics Before Calculus*. American Mathematical Association for Two Year Colleges (AMATYC)

Team Member/Writer, Standards for Content Updates Team (2022-2023), *Crossroads in Mathematics Standards for Introductory College Mathematics Before Calculus*. American Mathematical Association for Two Year Colleges (AMATYC)

Member, 5th National Math Summit Steering Committee (2021-2022), Representative for American Mathematical Association for Two Year Colleges (AMATYC)

Member, 4th National Math Summit Steering Committee (2020-2021), Representative for American Mathematical Association for Two Year Colleges (AMATYC)

Chair, Developmental Mathematics Committee (2020-2021), American Mathematical Association for Two Year Colleges (AMATYC)

Western Regional Representative Developmental Mathematics Committee (2016-2018), American Mathematical Association for Two Year Colleges (AMATYC)

Chair, Political Liaison Committee (2009-2012), National Association of Developmental Education (NADE)

Co-Chair, Political Liaison Committee (2011-2012), Council of Learning Assistance and Developmental Education Associations (CLADEA)

Co-registrar (2011), 37th Annual Conference of the National Association of Developmental Education (NADE)

Conference Team Volunteer (2010, November), 43rd Annual Conference of the College Reading and Learning Association (CRLA)

Registrar (2004-2005), 29th Annual Conference of the National Association of Developmental Education (NADE), Albuquerque, NM

State

Member (2023-2024) Utah Launch Years Initiative, Early College Mathematics Opportunities

Board Member-at-Large (2023) Utah Mathematical Association for Two Year Colleges (UMATYC)
Past President (2022) Utah Mathematical Association for Two Year Colleges (UMATYC)
President (2020-2021) Utah Mathematical Association for Two Year Colleges (UMATYC)
President-Elect (2019) Utah Mathematical Association for Two Year Colleges (UMATYC)
Member (2019-2022) Utah CBMS Pathways Task Force and Steering Committee.
Co-founder and Co-chair (2012-2014). Utah Women and STEM Education Network.
Committee Member. Math Majors Committee, USHE.

Institutional – Weber State University

Faculty Coach, Center for Excellence in Teaching and Learning, 2023-2024
Team Member, Academy on the First College Year, Gardner Institute, 2023
Chair, Developmental Mathematics Advisory Committee, 2012-18
Member, Quantitative Literacy Task Force, 2017- current
Member, Retention and Completion Committee, 2020-2022
Member, Transitions and Opportunities Committee, 2017-21
Member, Assessment and Placement Policy Petition Committee, 2012-14
Member, Assessment and Placement Committee, 2012-23
Member, Math Substitution Petition Committee, 2014-16
Member, Underrepresented Student Support Committee, 2014

Institutional – Utah Valley University

Chair, Structured Enrollment Committee, 2011-2012
Member, Math Initiative Committee 2011 – 2012
Member, First Year Experience Committee, 2009 – 2011
Chair, Math Awareness Week Planning Committee, 2005 - 2011
Member, Student Success and Retention Committee, 2008-2010
Chair, Instructors Committee, Boy Scout Merit Badge Pow Wow 2004-09
Member, UVUphoria Planning Committee, 2007-2008
Chair, Image and Perception Sub-committee, Math Task Force, 2005-07
Member, Math Task Force, 2005-2008
Co-Chair, Math Success Committee, 2005
Member, Professional Engagement Pillar of Distinction Exploration Team, Fall 2004
Member, School of General Academics Strategic Research Committee, Fall 2004
Member, Office Professionals Conference Planning Committee, 2001- 2004
Member, Planning, Budgeting and Accountability Task Force, Fall 2003
Numerous search committees including Director of Institutional Research, Associate Dean of University College, and Writing Center Coordinator

PUBLICATIONS

Andrade, M. (Writer) & Van Wagoner, K. (Producer and Writer). 2011. *Learning is developmental*. (Video production).
Fearnley, D. & Van Wagoner, K. (2011). The mathematical art exhibit 'Infinite Beauty' at Utah Valley University, 3–30 March 2009. *Journal of Mathematics and the Arts*, 5(1), 29-41.
Van Wagoner, K. (2012). Effectively onboarding new staff. In K. Agee & R. Hodges (Eds.), *Handbook for training peer tutors and mentors* (pp. 99-102). Mason, OH: Cengage.

ADDITIONAL RESEARCH

Jones, C., Van Wagoner, K. *Developmental math student perceptions of quality of course instruction*, In progress, Weber State University.

Van Wagoner, K. *College student perceptions of secondary teacher influence on the development of mathematical identity*, Unpublished Doctoral Dissertation, Utah State University.

Van Wagoner, K. *Attitudes of advanced middle grades mathematics students*. Unpublished pilot study.

GRANTS

Funded

Co-Principal Investigator. (\$10,000). *Making Math Meaningful*. 2012. USHE ImPACT Planning Grant. Project Goal: to evaluate approaches for working with partner public schools to improve college readiness. (with Ruth Stubbs, Weber State University)

Co-Principal Investigator. (\$8661). *Cognitive and Learning Sciences in Higher Education: Research, Instruction, and Dissemination*. 2013 Weber State University Hemingway Award. Project Goal: to apply research on cognitive learning during the transition from arithmetic to algebra in professional development of developmental mathematics teachers. (with Eric Amsel, Weber State University)

Principal Investigator (\$2500). *Structured Learning Assistance*. (2003-2004). Exceptional Merit Utah Valley State College Foundation Grant. Project Goal: to pilot a Structured Learning Assistance Program. (with Carole Sullivan, Utah Valley State College)

Not Funded

Co-Writer. *Gaining Access, iNspiring achievement in the sciences (GANAS) at Weber State University*. (2015). Strengthening Institutions Program Department of Education. Project Goal: to increase the number of students who complete STEM degrees in the College of Science through academic, professional, and co-curricular support. (with Katherine French-Fuller, Rachel Bachman, and David Matty.)

Co-Principal Investigator. *Creating an Online Tutoring Program to Support Distance Education Students*. (2001). Fund for the Improvement of Post-Secondary Education (FIPSE). Project Goal: Improve access to math tutoring support and increase math achievement for distance education students. (with Loretta Palmer, Utah Valley State College)

Co-Implementor. *Utah Valley University Learn and Serve Math K-16 Initiative*. (2010). Learn and Serve America. Project Goal: Use service-learning for university students to implement math enrichment programs in public schools in the local community. (with Alexis Palmer, Jane Loftus, and Benjamin Moulton, Utah Valley University)

PROFESSIONAL MEMBERSHIPS

Utah Association of Mathematics Teacher Educators
College Reading and Learning Association
National Tutoring Association
National Association of Developmental Education
National College Learning Center Association
American Mathematical Association for Two-Year Colleges
Utah Mathematical Association for Two-Year Colleges
Southwest Association of Developmental Education

CERTIFICATIONS and AWARDS

- Hemingway Collaboration Award, Weber State University, 2013
- Developmental Educator of the Year, Southwest Association for Developmental Education, 2012
- Staff Excellence Award, University College, Utah Valley University, 2010
- Distinguished Certification for Utah Valley University Math Lab, National Association for Developmental Education (NADE), 2009.
- Silver Beaver Award, Boy Scouts of America, 2007
- Master Tutor, College Reading and Learning Association, 2003.

COMMUNITY SERVICE

PTA Volunteer, Sunset View and Amelia Earhart Elementary Schools. Provo, Utah.
Boy Scouts of America: Roundtable Commissioner, Webelos Leader, Cub Scout Committee Chair, Troop Committee, District Trainer, Wood Badge Staff, Assistant District Commissioner, BYU/UVU Merit Badge Pow Wow Committee, Council Centennial Committee, Assistant Scoutmaster.
Provo River Cleanup Organizer
Volunteer, Brigham Young University Family History Center