

Glenn H. Waddell, Jr., Ph.D.
Curriculum vitae

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ACADEMIC DEGREES

- 2019 Ph.D., S.T.E.M. Education, University of Reno, Nevada

 Dissertation Title: *Mathematics Teacher Professional Development via Conference Tweeting and Blogging: A Mixed Methods Analysis*
- 2009 M.Ed., Secondary Science Education, University of Nevada, Reno
- 1997 M.A., Philosophy, University of Iowa, Iowa City, IA
- 1992 B.A., Physics & Philosophy; cum laude, with Honors in Philosophy, Knox College, Galesburg, IL

PROFESSIONAL EXPERIENCE – University & Secondary Teaching

- 2015–present Master Teacher, NevadaTeach, University of Reno, NV
- 2011–2015 Mathematics Department Chair, North Valleys High School, Reno, NV
- 2007–2015 Mathematics Teacher, North Valleys High School, Washoe County School District, Reno, NV
- 1997 Visiting Instructor of Philosophy, Knox College, Galesburg, IL

LICENSURE & CERTIFICATIONS

- 2007-present State of Nevada Professional Licensure; Secondary Mathematics Major
- 2019 University of Nevada, Reno; Online Course Delivery
- 2018 University of Nevada, Reno; Teaching with Technology Certification

PUBLICATIONS

Risser, H. S., & **Waddell Jr., G.** (2018). *Beyond the backchannel: Tweeting patterns after two educational conferences*. Educational Media International, 1–14.

Waddell, Jr., G. (2017, April 10). *Geometry using the game of Set* - National Council of Teachers of Mathematics. Retrieved from <https://www.nctm.org/Publications/Mathematics-Teacher/Blog/Geometry-Using-the-Game-of-Set/>

Waddell Jr., G., & Quinn, R. J. (2011). *Two applications of Venn diagrams. Teaching Statistics*, 33(2), 46–48.

AWARDS & HONORS

2019 Outstanding Doctoral Student, College of Education, University of Nevada, Reno

2015 Dana Davis Graduate Secondary Education Award, University of Nevada, Reno

INVITED PRESENTATIONS

Harris, E., Golden, J., & **Waddell Jr., G.** (21 July 2018). Keynote: *Mathematics isn't everywhere. It is more awesome than that. TmathC*, Cleveland, OH.

Waddell Jr., G. (23 Oct 2017). Keynote: *Exploring and Using the Desmos Activity Builder*. Saskatchewan Mathematics Teacher's Society, Saskatchewan, Canada.

Waddell Jr., G. (24 Oct 2017). Keynote: *Creating with Desmos Activity Builder*. Saskatchewan Mathematics Teacher's Society, Saskatchewan, Canada.

CONFERENCE & PROFESSIONAL DEVELOPMENT PRESENTATIONS

Waddell Jr., G. (6 August 2019). *Creating a classroom culture that works for each learner*. Presented at Washoe County School District Mathematics Professional Learning Conference at Spanish Springs High School.

Beckam, M. & **Waddell Jr., G.** (23 May 2019). *Giving mathematics majors purpose in research methods*. Presented at UTeach Conference 2019 at the University of Texas at Austin.

Waddell Jr., G. & Manual, M. (22 May 2019). *Master teacher lesson plans mini expo*. Presented at UTeach Conference 2019 at the University of Texas at Austin.

Waddell Jr., G. & Mariam, M. (20 May 2018). *Master Teacher Retreat*. Presented at UTeach Conference 2019 at the University of Texas at Austin.

Lochel, B. & **Waddell Jr., G.** (19-21 July, 2018). *Embrace Variability! "Big Ideas" in Statistical Understanding*. Three day workshop presented at TMathC, Cleveland, OH.

Waddell Jr., G. & Welch, A. (24 May 2018). *Master Teacher Retreat*. Presented at UTeach Conference 2018 at the University of Texas at Austin.

Waddell Jr., G. (19 July 2017). *Exploring and using the Desmos Activity Builder*. Sparks High School, Sparks, NV.

Waddell Jr., G. (27 July 2017). *Bridging elementary skills & concepts to high school and beyond*. Presented at TMathC, 2017. Atlanta, GA.

Long, D., Meadows, L., Dominick, A., Burgin, S., & **Waddell Jr., G.** (24 May, 2017).

Improving Knowing and Learning in light of motivated reasoning research. Presented at UTeach Conference 2017 at the University of Texas at Austin.

Waddell Jr., G. & Schmidt, M. (6 April 2017). *Statistics for social justice: A critical theory approach.* Presented at National Council of Teachers of Mathematics, San Antonio, TX.

Waddell Jr., G. (5 April 2017). *Reimagining statistics through social justice.* Presented at National Council of Supervisors of Mathematics National Conference, San Antonio, TX.

Waddell Jr., G. & Dickson, B. (27 August 2016). *Connecting teachers and finding resources: #MTBoS and #teachNVACS.* Presented at Northwest Nevada Math and Science Conference, Reno, NV.

Zimmer, A., Menard, W., & **Waddell Jr., G.** (18 July 2016). *New to teaching: The good, the bad and the truth.* Presented at TMathC 2016. Minneapolis, MN.

Waddell Jr., G., & Beckam, M. (2015, November). *5E lesson planning in mathematics and science.* Presented at WCSD Saturday Café, 2015, Reno, NV.

Waddell Jr., G. (2015, November). *High fives and trust: Why relationships must come first.* Presented at Global Math Department online meeting, <http://www.bigmarker.com/globalmathdept>.

Waddell Jr., G. (2015, July). *Using Desmos in the classroom, 3 day workshop.* Presented at TMathC 2015, Claremont, CA.

TEACHING EXPERIENCE

University Courses

Association of College & University Educators (ACUE) course facilitator for UNR; 2 years

NVTC101: Step 1: Inquiry Approaches to Learning; co-taught 2 years

NVTC102: Step 2: Inquiry Based Lesson Design; co-taught 2 years

NVTC201: Knowing & Learning in Mathematics and Science; developed and taught 4 years

MATH305: Functions and Modeling; co-taught 3 years

NVTC202: Classroom Interactions, co-taught 3 years

NVTC401: Project Based Instruction, co-taught 1 years

NVTC491: Apprentice Teaching Seminar A, taught 3 years

NVTC492: Apprentice Teaching Seminar B, taught 1 year

BIOL,CHEM,PHYS,NVTC303: Research Methods, co-taught 2 years

Secondary Education Courses

Algebra 1, taught 2 years

Algebra 2, taught 4 years

Algebra 2 Honors, taught 4 years

Algebra 3: Advanced Algebra Applications, co-designed curriculum and taught for 6 years

Advanced Placement Statistics, taught 5 years

SERVICE

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| 2018–present | Northern Nevada Math Council; Co-President |
| 2016–present | Northern Nevada Math Council; Higher Education Representative |
| 2017–present | Northern Nevada Vice President of the NV Chapter of the American Statistical Association |
| 2017–present | Board Member of the Nevada Mathematics Leadership Council |
| 2018–2019 | Honors Project Advisor to Katherine Swezey |
| 2016–2019 | Board of Directors of TMathC, a 501c3 dedicated to the PD for teachers, by teachers |
| 2012–2019 | TMathC Conference Organizing Committee |
| 2017–2018 | Administrative Faculty representative on College of Education Strategic Planning Workgroup |
| 2018 | Undergraduate Community Based Research Mentor to Casey Iwamoto |
| 2018 | Nevada Undergraduate Research Award reviewer |
| 2017 | American Educational Research Association 2018 National Conference Reviewer |
| 2017 | National Council of Supervisors of Mathematics 2018 National Conference Reviewer |
| 2016-2018 | College of Education Doctoral Committee |
| 2016 | National Council of Supervisors of Mathematics 2017 National Conference Reviewer |
| 2016 | American Educational Research Association 2017 National Conference |

Reviewer

- 2015 National Council of Supervisors of Mathematics 2016 National Conference
Reviewer
- 2016 National Council of Supervisors of Mathematics; 2016 On-site Committee
member

CONTINUING EDUCATION

- 2019, Apr NCSM Annual Meeting & Conference, San Diego, CA
- 2019, Apr NCTM Annual Meeting & Conference, San Diego, CA
- 2019, Feb AMTE Annual Conference, Orlando, FL
- 2018, May UTeach Conference, 12th Annual, University of Texas at Austin
- 2018, Feb AMTE Annual Conference, Houston, TX
- 2017, Fall ACUE Effective Teaching Practices, Graduate Student Cohort
- 2017, May UTeach Conference, 11th Annual, University of Texas at Austin
- 2017, Apr NCSM Annual Meeting & Conference, San Antonio, TX
- 2017, Apr NCTM Annual Meeting & Conference, San Antonio, TX
- 2014, Sep Getting to the Depth and Understanding of the Nevada Academic Content
Standards through Rich Tasks, Carson City, NV
- 2013, Oct NCTM Regional Meeting & Conference, Las Vegas, NV

PROFESSIONAL MEMBERSHIPS

American Statistical Association (ASA)

American Chapter of the International Group for the Psychology of Mathematics Education
(PMENA)

Association of Mathematics Teacher Educators (AMTE)

Benjamin Banneker Association (BBA)

National Council of Supervisors of Mathematics (NCSM)

National Council of Teachers of Mathematics (NCTM)

Nevada Mathematics Education Leadership Council (N-MELC)

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Nevada Chapter of the ASA (NV-ASA)

Northern Nevada Mathematics Council (NNMC)

TODOs: Mathematics for All

REFERENCES