

CURRICULUM VITAE

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EDUCATION

<i>University/College</i>	<i>Fields of Study Major and Minor</i>	<i>Degree</i>	<i>Year</i>
University of Nevada, Las Vegas	Teacher Education (Mentored Learning to Teach: A Case Study of Mentoring Novice Elementary Teachers from Various Teacher Preparation Programs in Science Teaching)	Ph.D.	2008
NOVA Southeastern University	Computer Education Programming	M. S.	1989
Chapman University	Music Minor: Education	B.A.	1974

ADDITIONAL PROFESSIONAL COURSEWORK

<i>University/College</i>	<i>Field of Study</i>	<i>Year</i>
Fresno Pacific College	Teaching English as a Second Language	1994-1996
Portland State University	Mathematics Education	1990
College of Southern Nevada	Teaching English as a Second Language	1980-1981
Arizona State University	Elementary Education	1976-1977
San Diego State University	Elementary Education	1975-1976

PROFESSIONAL LICENSING

<i>Current Professional License</i>	<i>Year Expires</i>
National Teaching Certificate, Middle Childhood Generalist	2012
Utah Teaching Certificate	2011
Nevada Teaching Credential	2009

PROFESSIONAL POSITIONS

<i>Institution</i>	<i>Position</i>	<i>Year</i>
Utah Valley University	Coordinator of Graduate Studies	2009-present
Utah Valley University	Assistant Professor	2008-present
University of Nevada, Las Vegas	Part-Time Instructor	2001-2008
	Supervisor, Field Experiences	2007-2008
Clark County School District Las Vegas, NV	Science specialist and mentor teacher	2005-2007
	Mentor Teacher (grade 5)	1998-2004
	Teacher (grades 4, 5)	1980-1987

COLLEGE COURSES TAUGHT

<i>Institution</i>	<i>Course (Number & Title)</i>	<i>Credit/ Sections/Semester/Year</i>
Utah Valley University	EDEL 3350 Curriculum and Assessment	3 credits, 2008 –2011
	EDEL 4520 Elementary Science Methods	3 credits, 2008 - 2011
	EDUC 6100 Research Methods in Education	3 credits, 2008- 2013
	EDUC 6320 Instructional Models I	3 credits, 2008
	EDUC 6330 Instructional Models II	3 credits, 2009- 2013
	EDUC 6300 Curriculum Design	3 credits, 2010
	EDUC 6310 Program Assessment	3 credits, 2013
	EDUC 6410 Contemporary Issues in Education	3 credits, 2010- 2013
	EDEL 4880 Student Teaching	3 credits, 2012- 2013
	EDEL 4890 Student Teaching	3 credits, 2012- 2013
	University of Nevada, Las Vegas	EDEL 4350 Elementary Science Methods
National University	Elementary Science Methods	3 credits, 2006

COMMITTEES

National

- School Science and Mathematics Association, Awards Committee, 2010 – 2012
- Association of Teacher Educators, Membership and Development Committee, 2010-present
- Association of Teacher Educators, Teacher Education Standards Committee, 2006-2009

University

- Utah Valley University, Capitol Reef Field Station Advisory Board, 2013- present
- Utah Valley University, University Planning Advisory Committee , 2011- 2013
- Utah Valley University, Utah Valley Senior Executive Leadership Forum, 2011-2012
- Utah Valley University Graduate Support Committee, 2009- present
- Utah Valley University, Academic Policy Committee, 2008-2011
- Utah Valley University, Northwest Accreditation Committee, Standard 2, 2009-2010

Department

- Utah Valley University School of Education, TEAC Accreditation Committee, 2012- 2013
- Utah Valley University School of Education, Retention, Promotion and Tenure Committee, 2011-2012
- Utah Valley University School of Education, Masters Project Oversight Committee, School of Education, 2009-present
- Utah Valley University School of Education, Graduate Procedures Committee, School of Education, 2008-present

SCHOLARLY WORK

Refereed Journals

- Sowder, M., Leavitt, T., Smith, T., & Tanase, M. (2013). When magic becomes art: Educating teachers. *Studying Teacher Education* 9(3), 298-310.
- Tanase, M., Leavitt, T., **Sowder, M.**, & Smith, T. (2012). Constructivist practices in a teacher education program. *The Constructivist*, 21(1), 67-105.
- Sowder, M., Harward, S. & Tuft, E. (2011). Time for science? A study on the use of instructional time for teaching science at the elementary level. *Journal of the Utah Academy of Sciences, Arts, and Letters*.
- Sowder, M. (2005). Mentoring for understanding challenges in mathematics instruction. *New England Mathematics Journal*. 37(2), pp. 57-73.

Books/Book Chapters

- Sowder, M. (2010). *Mentoring novice elementary teachers in science teaching: The effect of teacher preparation on mentoring practices*. Cologne, Germany: Lambert Academic Press.
- Sowder, M. (2009). Site-based teacher educators. In Klecka, C., Houston, R. & McBee, R. (Eds.), *Standards for teacher educators: establishing a vision for the profession*. Alexandria: Association of Teacher Educators.

Sowder, M. & Zeune De Soto, H. (2008). Using science notebooks to build academic vocabulary for ELL students (study description only). In Douglas Reeves, *Reframing teacher leadership to improve your school*. Alexandria, VA: Association of Curriculum Development.

Conference Proceedings

Sowder, M., Smith, T., **Leavitt, T.**, Tanase, M. (2012). Using metaphor to assess practice: Our journey from K-12 teachers to teacher educators. In J. R. Young, L. B. Erickson, & S. Pinnegar (Eds.), *Extending inquiry communities: Illuminating teacher education through self-study: Proceedings of the ninth international conference on the self-study of teacher education practices* (pp. 268-271). Provo, UT: Brigham Young University.

Technical Reports

Simmerman, S., Ilieva, V., Kang, M., **Sowder, M.**, Jay, S., Hudgins, T., Patch, M., Harward, S., and Fawson, P. (2014). *Utah Educator Preparation Program 2014 Annual Report: Utah Valley University*. Utah State Office of Education.

Simmerman, S., Ilieva, V., Harward, S., **Sowder, M.**, Jay, S., Patch, M., Hudgins, T., Kang, M., and Fawson, P. (2014). *Title II, Higher Education Act Report Card for Utah Valley University School of Education, 2012-2013*.

Simmerman, S., Ilieva, V., Kang, M., Jay, S., **Sowder, M.**, Hudgins, T., Patch, M., Harward, S., Fawson, P. (2014). *Annual Accreditation Report to CAEP*. Orem, UT: School of Education, Utah Valley University.

Sowder, M., Harward, S., Simmerman, S. (2013). *WestEd Schools of Education Online Survey About Data Literacy In Teacher Preparation Courses* (National Board of Professional Teaching Standards, American Association of Colleges of Teacher Education, Council for the Accreditation of Educator Preparation, National Association of State Directors of Teacher Education and Certification).

Simmerman, S., Harward, S., Hudgins, T., **Sowder, M.** (2013). Utah Valley University, School of Education, *Teacher Accreditation Council, Inquiry brief*

Simmerman, S., Harward, M., Hudgins, T., Sowder, M., Patch M., Jay, S., & Pierce, L. E. (2012). *Inquiry brief: A Case for TEAC accreditation of the initial licensure program in elementary and secondary education at Utah Valley University*. Orem, UT: School of Education, UVU.

Simmerman, S., Sowder, M., Hudgins, T., Harward, S., & Pierce, L. (2012). *Annual Accreditation Report to TEAC*. Orem, UT: School of Education, Utah Valley University.

Utah Valley University, School of Education. *Master of education, Style guide*.

Utah Valley University, School of Education. *Master of education, Student handbook*.

Utah Valley University, School of Education. *Master of education, Standard operating policies*.

Utah Valley University, School of Education. *Master of education, Annual report*.

Presentations (within the last five years)

Sowder, M., Jay, S. & Womack, S. (March, 2014) Evaluating dispositions for teaching. Paper presented at the annual conference for the American Association of Colleges of Teacher Education, Indianapolis, IN.

Simmerman, S., Harward, M., Hudgins, T., **Sowder, M.**, Patch M., & Jay, S., (2013, January). *Initial Defense for TEAC/CAEP Accreditation*. Utah Valley University, McKay School of Education Accreditation Panel, Orem, UT.

Simmerman, S., **Sowder, M.**, Jay, S., Hudgins, T., Patch, M., Harward, S. (2012, October). *Correlation between program formative and summative student scores in the School of Education*. Poster presented at the 4th annual Best Practices Assessment Conference, Utah Valley University, Orem, UT.

Sowder, M., Kang, M., Ilieva, V. & Jay, S. (October, 2012). Using iPads in Teacher Education: Lessons learned and relearned. Paper presented at the annual conference for the Northern Rocky Mountain Educational Research Association, Park City, UT.

Sowder, M., Smith, T., Tanase, M. & Leavitt, T. (August, 2012). Using metaphor to assess practice: Our journey from K-12 teachers to teacher educators. Paper presented at the biennial conference for Self-Study, Herstmonceux IX, Sussex, England.

Sowder, M., Harward, S. & Tuft, E. (April, 2012). Leaving science behind: The use of instructional time for teaching science at the elementary level. Paper presented at the annual conference of the American Educational Research Association, Vancouver, BC.

- Sowder, M., Harward, S. & Tuft, E. (October, 2011). Learning left behind: Assessing the use of instructional time for teaching science at the elementary level. Paper presented at the annual conference for the Northern Rocky Mountain Educational Research Association, Jackson Hole, WY.
- Sowder, M., Harward, S. & Tuft, E. (November, 2011). Effects of standardized testing on science in the elementary classroom. Paper presented at the annual conference for the School Science and Mathematics Association, Colorado Springs, CO.
- Tanase, M., Leavitt, T., Sowder, M. & Smith, T. (February, 2011). The rubber has hit the road: An analysis and reflection of mid-tenure processes at four institutions of higher learning. Paper presented at the annual conference of the Association of Teacher Educators, San Antonio, TX.
- Sowder, M. (April, 2011). The use of instructional time for teaching science at the elementary level. Paper presented at the annual conference of the Utah Academy of Sciences, Arts & Letters, Salt Lake City, Utah.
- Sowder, M. (October, 2010). Transmitting to transforming: Using a range of instructional models to engage student learning. Faculty Center for Teaching Excellence, Best Practices Workshop: Utah Valley University.
- Sowder, M. (October, 2010). Looking at the moon: Integrating arts across the curriculum. Presentation at the Third Annual Arts in Education Conference. Utah Valley University: Orem, UT.
- Sowder, M. & Tuft, E. (2010). Introducing the use of science notebooks to preservice teachers. Paper presented at the annual conference for School Science and Mathematics, Ft. Myers, FL.
- Leavitt, T, Tanase, M., Smith, T. & Sowder, M. (2010, February). On becoming teacher educators: A standards-based evaluation of our first year as teacher educators. Paper presented at the annual conference for the Association of Teacher Educators, Chicago, IL.
- Sowder, M. & Tuft, E. (2009, October). Introducing the use of science notebooks for teaching elementary science: Pre-service teachers' responses. Paper presented at the annual conference for the Northern Rocky Mountain Educational Research Association, Jackson Hole, WY.
- Sowder, M. & Tuft, E. (2009, October). Rolling with force and motion: Investigations in Math and Science. Presentation for the annual conference for the School Science and Mathematics Association, Reno, NV.
- Sowder, M. (2009, April). Mentored learning to teach elementary school science: Does teacher preparation make a difference? Paper presented at the meeting of the American Educational Research Association, San Diego, CA.
- Sowder, M. (2009, March). Building literacy with science. Forum on Children's Literature, Utah Valley University, Orem, UT.
- Sowder, M. (2009, February). Mentoring novice elementary teachers from various teacher preparation programs in science teaching. Paper presented at the summer conference for the Association of Teacher Educators, Dallas, TX.
- Sowder, M. & Fulton, L. (2009, February). Learning to teach elementary science: Looking at content specific mentoring practices. Session presented at the Symposium on Teacher Induction, University of California Santa Cruz, San Jose, CA.
- Sowder, M. (2008, February). Using Science Notebooks to Build Academic Vocabulary with English Language Learners. Paper presented at the summer conference for the Association of Teacher Educators, Washington, DC.
- Sowder, M. (2008, February). Using professional standards to create knowledge and vision. Paper presented at the summer conference for the Association of Teacher Educators, Washington, DC.

Graduate Committees

2008-2010	Nancy Hale	Reflecting on Teaching and Learning to Improve Instruction
2008-2010	Lisa Hyer	The Effects of Intentional Instruction on Statistical Knowledge with Preschool Students
2009-2011	Melani Bowman	Teaching Strategies and Student Curiosity: A Self Study
2009-2011	Cory Smith	Middle School Students' Perceptions of Teacher Immediacy Behaviors and Their Effect on Motivation
2009-2011	Matthew Hansen	The Effect of Inquiry Learning on Science Mastery Learning: A Study Comparing Two Inquiry Scaffolding Techniques
2010-2011	Dee Dee Mataalii	The Effects of Bilingual Spanish Books on the Development of Second language Acquisition in Elementary Students
2009-2010	Ana Rojas	The Benefit of Native Language Math Instruction

2009-2011	Mary McAllister	The Effects of Background Music on the Behavior of First Grade Students During Silent Reading Time
2010-2012	Jolene Johnson	Effects of Pre-Teaching/Reading Strategies
2010-2011	Shon Hawkes	A comparison of student and teacher perceptions of caring teachers
2010-2011	Michael Vest	Building better design: A descriptive study on LDS high school seminary teachers' use of standards in planning
2011-2012	Gordon Platt	Twenty narratives that teach students traditional values
2010-2012	Jennifer Sumsion	Sticking with science: Lessons that teachers like and students remember
2010-2012	Sandi Downs	Best practice for teaching sixth grade science: Reason for the seasons
2010-2012	Becky Taylor	Peer court training
2011-2012	Tyler Fowler	Assessment development
2011-2013	Aby Lever	Immigrant parent involvement curriculum
2011-2012	Kathleen Robertson	Morning meeting for ELLs
2011-2013	Jarom Stubbs	Science and reading
2011-2013	Linda Threlfall	Student attitudes about science
2012-2013	Michael Padeken	The effectiveness of using finger poppin' with basic multiplication fluency
2012-2013	Zoe Rosenbeck	Learning from teachers of English language learners: an instrumental case study
2012-2013	Toni Tait	Teacher perceptions of diverse cultures

PROFESSIONAL ORGANIZATIONS

Membership

- American Association of Colleges for Teacher Education (AACTE)
- American Educational Research Association (AERA)
- Association of Teacher Educators (ATE)
- National Council of Teachers of Mathematics (NCTM)
- National Science Teachers Association (NSTA)
- Northern Rocky Mountain Research Association (NRMERA)
- School Science and Mathematics Association (SSMA)

CONSULTING

- Curriculum writer, Red Rock Desert Learning Center. Nevada Public Lands Institute, University of Nevada, Las Vegas (2004-2006)
- State of Nevada, Curriculum and Performance Standards, writer and reviewer (2000-2007)

RECOGNITION

- Distinguished Teacher Educator, Utah Association of Teacher Educators, 2010
- Recipient, Stevenson Scholarship, Association of Teacher Educators, 2007
- National Teaching Certificate, Middle Childhood Generalist, 2002

SERVICE

International

- Brock Education Journal, Reviewer 2011-present

- Journal of School Science and Mathematics, Reviewer, 2009-present
- School Science and Mathematics Association, Awards Committee, 2009-present

National

- AERA Reviewer for Proposals for Annual Conference, 2007- present
- AACTE Reviewer for Proposals for Annual Conference, 2013-
- Association of Teacher Educators, Commission on Standards for Teacher Educators, 2006 –2009

University

- Utah Valley University, Graduate Programs Support Committee, 2008-present
- Utah Valley University, Academic Policy Committee, 2008-2011
- Utah Valley University, University Planning Advisory Committee, 2011-2013
- Utah Valley University, Utah Valley Senior Executive Leadership Forum, 2011-2012
- Utah Valley University, Human Resources Grievance Hearing Panel, 2009

School of Education

- Utah Valley University, School of Education, Accreditation Committee, 2011-present
- Utah Valley University, School of Education, Graduate Procedures Committee, 2008- present
- Utah Valley University, School of Education Masters Project Oversight Committee, 2008-present