

Talbot Bielefeldt, MS

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Current position:

Sole proprietor, Clearwater Program Evaluation, www.clearwatereval.com

Professional Preparation

- Reed College, English Literature, B.A., 1972
- Graduate coursework in Psychology, Portland State University, 1976.
- University of Oregon, Educational Policy and Management, M.S., 1998.
- University of Oregon, postgraduate seminars in Program Evaluation (2000) and Hierarchical Linear Modeling (2007). ISTE Staff Seminar on Item Response Theory, Dr. Paul Yovanoff, (2011).

Skills and expertise

- Research and evaluation design, including observational, correlational, and experimental methodologies applied to instructional and administrative settings in K-12 and higher education.
- Preparation of evaluation proposals for National Science Foundation, U.S. Department of Education, State, District, Corporate, and Foundation grants.
- Survey and observation instrument development
- Quantitative and qualitative data collection and analyses, including use of web-based and other electronic tools and advanced statistical packages (SAS, SYSTAT, SPSS, Stata, Winsteps, HLM).
- Research syntheses and application to needs assessment and program improvement.
- Writing for publication in both scientific and journalistic media, print and electronic.
- Presentations and public speaking, including face-to-face and webinar formats.

Program Evaluation Experience

Local and Regional Initiatives

- Oregon Math Science Partnership Grants, Wallowa Education Service District, 2004-2007, 2007-2010, 2012-2015; University of Oregon 2015-2018 (Oregon Dept. of Education).
- Advanced Technological Education, Northern Arizona University, 2014-2016 (National Science Foundation).
- Greater Oregon STEM Hub, Eastern Oregon University, 2014-2015 (Oregon Dept. of Education).
- 21st Century Community Learning Centers, Lane Education Service District, 2008-2013 (Oregon Dept. of Education).
- Cyberinfrastructure Training, Education & Mentoring, California State University San Marcos 2008-2009, 2011-2015; Rowan University, 2011-2015 (National Science Foundation).
- Innovative Technology Experiences for Students and Teachers, California State University San Marcos, 2009-2012 (National Science Foundation).
- Graduate Teaching Fellows in K12 Education, University of Oregon, 2009-2011 (National Science Foundation).

- Integrated Graduate Education, Research, and Training, University of Oregon, 2008-2009 (National Science Foundation).
- Technology Innovation Challenge Grant, Phoenix AZ Union High School District, 1999-2004 (U.S. Dept. of Education).
- Preparing Tomorrow's Teachers to Use Technology, Arizona State University, Boise State University, Southwest Missouri State University, Willamette University, 1999-2003 (U.S. Dept. of Education).

Statewide Initiatives

- U.S. Virgin Islands Technology Plan Evaluation, Virgin Islands Department of Education, 2013
- State Technology Planning, Nevada Department of Education, 2010-2011.
- Enhancing Education Through Technology, Nevada Department of Education, 2009-2011.
- Alabama ACCESS Virtual High School, Alabama State Dept. of Education, 2006-2011.
- Technology Innovation Challenge Grant, Louisiana State Dept. of Education, 1999-2004 (U.S. Dept. of Education).

National Initiatives

- Verizon Innovative Learning Schools, Verizon Foundation, 2012-2013, 2015.
- Technology for Teaching, Hewlett Packard Social Innovation, 2007-2009.
- Center for Applied Research in Educational Technology, Bill & Melinda Gates Foundation, 2000-2004.
- Survey of Technology in Teacher Education, Milken Family Foundation, 1997-1998.
- The Road Ahead, NEA Foundation for the Improvement of Education, 1995-1997.

Employment History

International Society for Technology in Education, Eugene, OR, 1988-2013

- Senior Research Associate, 2005-2013.
- Manager, Research & Evaluation 1999-2005
- Research Associate, 1995-1999.
- Managing Editor, 1993-1994
- Associate Editor, 1988-1993.

Neuropsychology Associates, Eugene, OR: Testing Technician, 1987-1988.

Outdoor education instructor, Reed College (1973-74), Lute Jerstad Adventures, 1973-1979, Outward Bound (1974), Multnomah County Youth Manpower (1975), Eugene Parks, Recreation, & Cultural Programs (1982-1988).

Synergistic Activities

- Institutional Review Board, Oregon Center for Applied Science, Eugene, OR, 2007-2008
- Past chair, American Evaluation Association Distance Education and Other Educational Technologies Topical Interest Group.
- Volunteer data analysis, Long Tom Watershed Council Cutthroat Trout Study 2017.
- Programming, and maintenance of digital recording platform for classroom observations.
- Review panel member, Informal Science Education, National Science Foundation, 2009.
- Evaluation Core Group, Preparing Tomorrow's Teachers to Use Technology, U.S. Department of Education, 1999-2001.
- Webmaster, International Society for Technology in Education, 1994-1998.
- Computer Instructor, Lane Community College, 1993-1996:

Selected Journal Articles and Book Chapters

- Bielefeldt, T. (1989). The state of classroom discipline. Eugene, OR: Oregon School Study Council.
- Bielefeldt, T. (1990, February). Classroom discipline, *Research Roundup* 5(2). (ED 318 133).
- Bielefeldt, T. (1994, spring). Toward a manual of online style. *Telecommunications in Education News*, pp. 27-29.
- Bielefeldt, T. (1997). *Systemic planning for technology*. Eugene, OR: Oregon School Study Council.
- Bielefeldt, T. (2001). Technology and teacher education: A closer look, *Journal of Computing in Teacher Education*, 17 (4), 4-15.
- Bielefeldt, T. (2002). Teacher outcomes: Improved technology skills. In Johnston, J. & Barker, L.T. (Eds.), *Assessing the impact of technology in teaching and learning: A sourcebook for evaluators*. Ann Arbor, MI: Institute for Social Research, University of Michigan.
- Bielefeldt, T. (2005). Computers and student learning: Interpreting the multivariate analysis of PISA 2000. *Journal of Research on Computing in Education*, 37 (4), 339-347.
- Bielefeldt, T. (2006). (Contributing author). In Kelly, M.G. & Haber, J., *Resources for student assessment*. Eugene, OR: International Society for Technology in Education.
- Bielefeldt, T. (2012). Guidance for technology decisions from classroom observations. *Journal of Research on Technology in Education*, 44 (3), 205-210.
- Bielefeldt, T. & Daniell, D. (2003). Surveying and interviewing teachers. Chapter 5 in Kelly, M.G., *National Educational Technology Standards for teachers: Resources for assessment*. Eugene, OR: ISTE. pp. 93-109.
- Braun, L. & Bielefeldt, T. (1995). *Celebrating success*. Eugene, OR: ISTE (1995).
- Crompton, H., Olszewski, B., & Bielefeldt, T. (2015). The mobile learning training needs of educators in technology-enabled environments. *Professional Development in Education*, published online: <http://dx.doi.org/10.1080/19415257.2014.1001033>
- Franzwa, C., Tang, Y., Johnson, A., & Bielefeldt, T. (2014). Balancing fun and learning in a serious game design. *International Journal of Game Based Learning*, 4(4). 38-57.
- Hayden, K., Ouyang, Y., Scinski, L., Olszewski, B., & Bielefeldt, T. (2011). Increasing student interest and attitudes in STEM: Professional development and activities to engage and inspire learners. *Contemporary Issues in Technology and Teacher Education*, 11(1). Retrieved from <http://www.citejournal.org/vol11/iss1/science/article1.cfm>
- Moursund, D. & Bielefeldt, T. (1998). Will new teachers be prepared to teach in a digital age? A national survey on information technology in teacher education. Santa Monica, CA: Milken Family Foundation.
- Roblyer, M.D., Porter, M., Bielefeldt, T., & Donaldson, M.B. (2009). Teaching online made me a better teacher: Studying the impact of virtual course experiences on teacher's face-to-face practice. *Journal of Computing in Teacher Education*, 25 (4), 121-125.
- Tang, Y., Shetty, S., Bielefeldt, T., Jahan, K., Henry, J., & Hargrove, S.K. (2012). Sustain City – A cyberinfrastructure-enabled game system for science and engineering design. *Journal of Computational Science Education*, 3(1), 57-65.

Presentations and Magazine Articles

- Bielefeldt, T. (1999, April 20). Online learning communities: Findings from The Road Ahead program 1995-1997. Presentation, American Educational Research Association, Montréal.
- Bielefeldt, T. (1999, June 24). Information technology in teacher education: Implications of a national survey. Presentation, National Educational Computing Conference, Atlantic City.
- Bielefeldt, T. (2000, June 24). Objective assessment of technology integration in learning environments. Presentation, Preparing Tomorrow's Teachers to Use Technology Conference, Atlanta, GA.

- Bielefeldt, T. (2001, August 5). Action items for sustainability. Presentation, Preparing Tomorrow's Teachers to Use Technology Conference, Washington, DC.
- Bielefeldt, T. (2003, June 30). Professional development and student achievement: Making the link. Presentation, National Educational Computing Conference, Seattle, WA.
- Bielefeldt, T. (2004, April). Comprehensive technology professional development: Effects on teachers and students. Presentation, American Educational Research Association. San Diego, CA.
- Bielefeldt, T. (2009, February). Measuring learning. Workshop, Hewlett Packard Technology for Teaching Higher Education Conference, La Jolla, CA.
- Bielefeldt, T. (2012-2013). Know the ISTE Standards for Students. (Monthly column of training activities for classroom observation.) *Learning and Leading with Technology*.
- Bielefeldt, T. (2013-2014, Dec.-Jan.). Research windows: Your tax dollars at work. *Learning & Leading with Technology*, 41(4).
- Bielefeldt, T. (2014, October). Classroom observation as participatory evaluation. Presentation, American Evaluation Association, Denver.
- Bielefeldt, T. (2015, October 22). XCOT: Cross-classroom, cross standards observation technology. Presentation, National Science Foundation Advanced Technological Education, Washington.
- Bielefeldt, T. (2015, November 12). Making classroom observation easy—well, possible. American Evaluation Association, Chicago.
- Bielefeldt, T., Cradler, J. & Cradler, R. (2003, June 28). CARET: Research-based decision making for educational technology. Workshop, National Educational Computing Conference, Seattle.
- Bielefeldt, T., Febey, K.S., Goodyear, L., & McKlin, T. (2012, October 25). The care and feeding of evaluation in the U.S. STEM education habitat. Panel, American Evaluation Association, Minneapolis.
- Bielefeldt, T., Moursund, D., Underwood, S., & Underwood, D. (1999, April 20). Connected Learning Communities: Findings from the Road Ahead Program, 1995-1997. Presentation, American Educational Research Association, Montreal. ERIC Document #ED429585. Retrieved from: <http://www.eric.ed.gov/PDFS/ED429585.pdf>.
- Bielefeldt, T., & Olszewski, B. (2013, June 25). Documenting 21st Century skills: Classroom observation with the NETS. Workshop training, ISTE 2013, San Antonio.
- Bielefeldt, T., & Olszewski, B. (2011, November 3). Technology and classroom observation. Presentation, American Evaluation Association, Anaheim.
- Rebar, B., Bielefeldt, T., & Livelybrooks, D. (2020). A model for teacher-initiated stem project-based learning. Portland, OR: National Association for Research on Science Teaching.
- Rubino-Hare, L., Bielefeldt, T., Bloom, N., & Blevins, K., (2017, June). Using ISTE Standards to improve a PBL/geospatial technology professional learning program. Presentation, ISTE 2017, San Antonio.