



Idaho State University

Beverly Bracken Ray, Ph.D.

Professor

Department of Teaching and Educational Studies

College of Education

Idaho State University

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Research Interests: Best practices in the design and educational use of current and emerging digital technologies, including LLMs, social media, robotics, AR/VR (Mixed), and digital games; Issues involving technology, society, and culture.

EDUCATION

Doctor of Philosophy: Instructional Leadership/Instructional Technology; Minors in Educational Research and Secondary Social Studies Education; 18 hours in 20th Century United States History, The University of Alabama, Tuscaloosa, Alabama

Master of Arts: Secondary Education, The University of Alabama, Tuscaloosa, Alabama

Bachelor of Science: Secondary Education. The University of Texas at Austin, Austin, Texas

SELECTED AWARDS/RECOGNITION

Adolph B. Crew Teaching Award. College of Education, University of Alabama, 1998.

Columbus Voyage of Discovery Quincentenary Teacher-Scholar Award, National Geographic Society/National Council for Geographic Education/Alabama Geographic Alliance, 1992.

ACADEMIC EMPLOYMENT HISTORY

Professor, Teaching and Educational Studies, College of Education at Idaho State University, 2008- present.

Department Chair, Educational Foundations/Teaching and Educational Studies, College of Education at Idaho State University, 2007-2015.

Assistant/Associate Professor, Educational Foundations, College of Education at Idaho State University, 2001-2008.

Technology Coordinator, Laboratory for Interactive Technology, College of Education, University of Alabama/Westlawn Middle School, 2000-2001.

Graduate Teaching Assistant, College of Education, University of Alabama, 1996-2000. Social studies education and educational technology instruction along with supervision of student teachers.

World Geography Teacher (HS), Center for Communication and Educational Technology, College of Communications, University of Alabama, 1990-1994.



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Social Studies/Touchstones Coordinator, BioPrep Program, College of Community Health Sciences, University of Alabama, 1986-1990.

SCHOLARSHIP

Recent Grants and Other Funding

External

Roxburgh, A., Perihan, C., Gallup, J., Ray B., Wood E., & Ntuli. E. (October 2023). K-5 STEM Summer Camp: Developing STEM Skills Using Project-based Learning Activities (Amount \$48, 800). Out of School STEM Programming Grant funded by Idaho STEM Action Center.

Ntuli, E., & Ray, B. (2021/22). 3-D Modeling for Early Childhood STEM Learners. Idaho STEM Action Center, \$3,800.

Ntuli, E., & Ray, B. (2019). 3-D Modeling for Early Childhood STEM Learners. Idaho STEM Action Center, \$3,800.

Ray, B. B. (2016). Travel Grant: Military Child Education Coalition National Convening. Bob Woodward Foundation, \$750.

Ray, B. B. (2014). Travel Grant: Military Child Education Coalition National Convening. MECE/Bill & Melinda Gates Foundation, \$1400.

Ray, B. B., & Lin, S-Y, (2012). Grow Your Own Scholarship Program. Idaho State Board of Education, \$115,636.

Ray, B. B., Rosborough, A., & Lin, S-Y. (2011). Grow Your Own Scholarship Program. Idaho State Board of Education, \$97,500.

Ray, B. B., & Jacobsen, B. (2011). simSchool Project: Level 3 Partner. Association for the Advancement of Computing in Education, \$37,600. (Contract)

Ray, B. B., & Rosborough, A. (2010). Grow Your Own Scholarship Program. Idaho State Board of Education, \$101,000.

Internal

Ray, B. (2026) Dean's Faculty Research Fund (Internal), \$3,750.

Ray, B. (2025) Dean's Faculty Research Fund (Internal), \$3,750.

Ray, B. (2023) Dean's Faculty Research Fund (Internal), \$3,750.

Ntuli, E., & Ray, B. (2022), Summer STEM camp for children. COE Dean's Funding, \$3,500.

Gallup, J., & Ray, B. (2020/21). Project Create (COE Makerspace). COE Dean's Grant, \$4000



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Recent Peer Reviewed Publications

Ray, B. B., & Bennett, C. (In Revision, 2026). Technoskepticism, civic engagement and the power of historical knowledge in the age of AI. *Contemporary Issues in Technology and Teacher Education*.

Ray, B. B. (2026). Considering GenAI as a support tool for transfer: Reflections on a transmediation assignment for adult learners. *International Journal for Digital Society*, 6(1), pp. 2029-2033.

Ray, B. B. & Faure, C. (2025). Impacts of K-12 emergency online teaching within a rural, rural-remote context: Finding value in the experience. *Culture, Education, and Future*, 3(1), 65-81.

Ray, B. B. & Ntuli, E. (2025). Novice teachers' perceptions and misperceptions regarding large language models: Lessons from using ChatGPT for lesson planning. *International Journal for e-Learning Security*, 13(1).

Ray, B. (2023/2024). Examining social media's use as a transitional tool for online/remote teaching during the early weeks of the COVID-19 pandemic. *International Journal for Digital Society*, 14(1), 1873-1879.

Ray, B., Rogers, R., & Gallup, J. (2022). Coding and computational thinking in the Social Studies: Teachers' perspectives. *Journal of Digital Learning in Teacher Education*.

Bennett, C. A., Ray, B., & Thorpe, J. (2022). Considering mathematics educators' perceptions of professionalism in rural contexts. *Teacher Development*, 26(2), 279-298.

Ntuli, E., & Ray, B. B. (2022). Exploring K-3 educator perspectives on STEM learning: Lessons learned from professional development training. *International Journal of Teacher Education and Professional Development*, 5(1), 1-15.

Faure, C. & Ray, B. (2021). Lighting up the 'sky: Experiential learning at a NCAA championship event. *The Journal of Kinesiology and Wellness*, 10, 40-55.

Ray, B. B., Rogers, R., & Hocutt, M. (2020). Perceptions of Non-STEM discipline teachers on coding as a teaching and learning tool: What are the possibilities? *Journal of Digital Learning and Teaching*, 36(1), 19- 31.

Bennett, C., & Ray, B. B. (2020). Using coding to go beyond skill based mathematical learning: Expanding the arc of online mathematics teaching and learning in an era of emergency COVID-19 online teaching. *Journal of Technology and Teacher Education* (Special COVID 19 Issue), pp. 425-430.

Cho, H. J. F., Pemberton, C. L. A. & Ray, B. B. (2017). Pk-3 educators' perceptions regarding supports and barriers of creativity in education. *Current Issues in Education*, 20(1), 1-19.



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Ray, B. B., & Hocutt, M. (2016). Learning from and teaching about disaster: The case of the April 2011 tornado outbreak. *American Secondary Education Journal*, 3(1), 66-84.

Ray, B. B., Powell, A., & Jacobsen, B. L. (2015). Exploring Pre-service Teacher Perspectives of Video Games as Learning Tools. *Journal of Digital Learning in Teacher Education*, 31(1), 1-7.

Ray, B. B., Hocutt, M., & Hooley, D. S. (2014). Use of an Online Simulation to Promote Content Learning. *International Journal of Online Pedagogy and Course Design*, 4(1), 43-57.

Faure, C. E., Appleby, K. M., & Ray, B. B. (2014). Feeling Elite: The collective effervescence of team USA at the 2012 ITU grand final. *The Qualitative Report*, 19(9), 22.

Ray, B. B., Faure, C., & Kelle, F. (2013). Using social impact games (SIGs) to Support constructivist learning: Creating a foundation for effective use in secondary social studies education. *American Secondary Education Journal*, 41(2), 60-70.

Hooley, D. S., Tysseling, L., & Ray, B. B. (2013). Trapped in a cycle of low expectations: An exploration of high school seniors' Perspectives about academic reading. *The High School Journal*, 96(4).

Faure, C., & Ray, B. B. (2012). Game time!: Justifying the use of Wii Fit Plus in the early elementary physical education classroom. *Journal of Technology Integration in the Classroom*, 3(1).

Ray, B. B., & Coulter, G. (2010). Perceptions of the value of digital mini-games: Implications for middle school classrooms. *Journal of Digital Learning in Teacher Education*, 26(3), 92-100.

Ray, B. B., & Pemberton, C. (2010). Engaging 9/11 as a learning event: Teachers' perspectives examined. *Social Studies Research and Practice*, 5(1), 58 -74.

Pemberton, C., Ray, B., Said, H., Easterly, D., & Belcher, C. (2010). Graduate student perceptions of College of Education culture and climate. *Advancing Women in Leadership*, 30(5).

Ray, B. B. (2009). Voices from the classroom: Secondary teachers' media use on 9/11. *International Journal for Instructional Media*, 36(3), 303-312.

Ray, B. B., & Coulter, G. (2008). Reflective practices among Language Arts teachers: The use of weblogs. *Contemporary Issues in Technology and Teacher Education*, 8(1).

Ray, B. B., & Hocutt, M. M. (2007). *What does the research really say? Teacher created, teacher centered weblogs: Perceptions and Practices*. Michigan Association for Computer Users in Learning, 27(3), 38- 39.

Ray, B. B., Powell, A. & Strickland, J. (2006/2007). Technology integration and the preservice teacher: A roadmap for reflection and observation during early field experiences. *Teaching & Learning: The Journal of Natural Inquiry and Reflective Practice*, 21 (1), 29-58.



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Ray, B. B., & Hocutt, M. M. (2006). Teacher created, teacher centered weblogs: Perceptions and practices. *Journal of Computing in Teacher Education*, 23(1), 21-28.

Ray, B. B. (2006). Analyzing political art to get at historical fact: Guernica and the Spanish Civil War. *The Social Studies*, 97(4), 168-171.

Ray, B. B., & Hocutt, M. M. (June 2006). [Review of the book *Blogs, wikis, podcasts and other powerful web tools for classrooms*.] Teachers College Record. ID Number: 12550.

Wright, V., Stallworth, J. B., & Ray, B. (2002). Challenges of electronic portfolios: Student perspectives and experiences. *Journal of Technology and Teacher Education*, 10(1), 47-59.

Ray, B., & McFadden, A. (Fall 2001). PDAs in higher education: Tips for instructors and students. *Journal of Computing in Higher Education*, 13(1), pp. 110-118.

Ray, B. B., McFadden, A., Patterson, S., & Wright, V. (Summer 2001). Personal digital assistants in the middle school classroom: Lessons in hand. *Meridian: A Middle School Computer Technologies Journal*, 4(2).

Ray, B., & Marsh, G. (February 2001). Recruitment of extremists on the Internet. *First Monday*, 6(2).

Book Chapters

Bennett, C. A., & Ray, B. (In Review, 2026). An examination of Learning Theories and Alignment to Educational AI Tools: Implications for Teacher Leaders, in Yin Jin (Ed), *Technology Leadership in Education*, Association for the Advancement of Computing In Education.

Ray, B. B. & Ntuli, E. (2025/2026). The efficacy of artificial intelligence as a scaffolded lesson planning tool. In (G. Tchibofo, Ed.) *Education and Artificial Intelligence* (pp.227-245). Springer: Geneva, Switzerland.

Ray, B. B., & Bennett, C. A. (2023). Gameful learning as an innovative pedagogy for online learning: Exploring early career teachers' perspectives, In A. Zimmerman (ed.), *Research, Practice, and Innovations in Teacher Education During a Virtual Age*. IGI Global.

Ray, B. B. (2023). A case study examining how online andragogy has reshaped expectations for face-to-face instruction. In I. Management Association (Eds.), *Research Anthology on Remote Teaching and Learning and the Future of Online Education* (pp. 1445-1462). IGI Global. <https://doi.org/10.4018/97816684-7540-9.ch071>.

Bennett, C. & Ray, B. (2022). Student choice and mastery learning online: Unintended consequences and outcomes for COVID-19 adjustments, in E. Baumgartner, R. KaplanRakowski, R. E. Ferdig, R. Hartshorne, & C. Mouza (Eds.), *A retrospective of teaching, technology, and teacher education during the COVID-19 pandemic* (pp. 123–126), Association for the Advancement of Computing in Education.



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Gallup, J. L., Ray, B. & Bennett, C. A. (2021). A roadmap for developing, implementation, and evaluation of virtual practicums in teacher education: Virtual practicums amidst a global crisis. In L. Kyei-Blankson, J. Blankson, and E. Ntuli (Eds.), *Handbook of Research on Inequities in Online Education during Global Crises*, (pp. 163-182). IGI Global: Hershey, PA.

Bennett, C., Gallup, J., Chambers, D., & Ray, B. B. (2020). Designing inclusive STEM learning experiences for adolescents with Autism: Leveraging robotics to support discourse. In D. Chambers and (Ed.) *Adopting Innovative Technologies for Students with ASD. (International Perspectives on Inclusive Education, Vol. 14)*, (pp. 125-140). Emerald Publishing Limited, Bingley, United Kingdom.

Ray, B. B. (2020). Foreword. In J. Keengwe (Ed.), *Handbook of Research on Literacy and Digital Technology Integration in Teacher Education* (pp. xviii). IGI Global: Hershey, PA.

Ray, B. B. (2019). Examining the possibilities: Gameful learning as an innovative pedagogy for teacher preparation programs. In J. Keengwe (Ed.), (pp. xviii.). *Handbook of Research on Innovative Pedagogies and Best Practices in Teacher Education* (pp. 18-33). IGI Global: Hershey, PA.

Gallup, J., Ray, B., & Bennett, C. (2019). Leveraging mobile technologies to support active learning: Using smartphones as learning tools to support principles of Universal Design within K-12 learning environments. In E. Dalton and S. Gronseth (Eds.), *Universal Access through Inclusive Instructional Design: International Perspectives on UDL*.

Ray, B. B. (2019). A case study examining how online pedagogy reshapes expectations for face to face (F2F) instruction for late career higher education faculty. In Y. Inoue-Smith (Ed.), *Faculty Roles and Changing Expectations in the New Age* (pp. 18-55). IGI Global: Hershey, PA.

Ray, B. B. (2018). Foreword. In J. Keengwe (Ed.), *Handbook of Research on Virtual Training and Mentoring of Online Instructors* (p. xviii). IGI Global: Hershey, PA.

Ray, B. B., & Faure, C. E. (2017). Mini-robots as smart gadgets: Promoting active learning of key Social Science skills. In S. Umair (Ed.), *Mobile devices and smart devices in K-12 education* (pp. 16-31). IGI Global: Hershey, PA.

Ray, B. B., & Powell, A. (2017). Video as a means to an end: Problems and techniques associated with using video in teacher training. In L. Fedell (Ed.), *Using Video in Teaching Training* (pp. 272-290). IGI Global: Hershey, PA.

Ray, B. B. (2016). Foreword. In L. Kyei-Blankson, J. Blankson, E. Ntuli, & C. Agyeman (Ed.), *Advances in Educational Technologies & Instructional Design (AETID) Book Series* (p. xix). Hershey, PA: IGI Global.

Ray, B. B., & Powell, A. (2014). Preparing to Teach with Flipped Classroom in Teacher Preparation Programs. In J. Keengwe, G. O. Onchwari, & J. N. Oigara (Ed.), *Promoting Active Learning Through the Flipped Classroom Model* (pp. 1-22). Hershey, PA: IGI Global.



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Powell, A., & Ray, B. (2012). Supporting Mathematics for Young Children through Technology. In S. Blake, D. Winsor, & L. Allen (Eds.) *Child Development and the Use of Technology: Perspectives, Applications and Experiences*. (pp. 146-168) Hershey, PA: IGI Global.

Ray, B. B. (2011). Teaching Elementary Social Studies: Music and Social Studies. In N.R. Robinson, S. N. Hall, & F. P. Spano (Eds.), *Teaching elementary music: Integrative connections between music and other subjects* (2nd ed.) (pp. 255-261, 267). Dubuque, IA: Kendall Hunt Publishing Company.

Ray, B. B. (2010). Using music and other source materials to solve a mystery from the past: Who was Harriet Tubman and what did she do to make the world a better place? In N. R. Robinson, S. Hall, & F. P. Spano (Eds.), *Teaching Elementary Music: Integrative connections between music and other subjects* (pp. 261-266). Dubuque, IA: Kendall Hunt Publishing.

Peer Reviewed Proceedings and Presentations

Ntuli, E. & Ray, B. B. (2026). From assistance to integrity: Ethical integration of generative AI in teacher education. AAC&U Conference on AI and Higher Education.

Ray, B. B., Ntuli, E. & Bennett, C. (2026). Misconceptions about generative AI: The need for AI-knowledgeable teachers. 2026 EdMedia Conference. Association for the Advancement of Computing in Education (AACE).

Bennett, C. & Ray, B. (2026) Mediating tools, motivated learners: Activity theory and the affective imperative for educational AI. EdMedia Conference. Association for the Advancement of Computing in Education (AACE).

Ray, B. & Ntuli, E. (Accepted/January 2026). Addressing misconceptions about GenAI. Hawaii International Conference on Education, Honolulu, HI.

Ray, B.B. (2025). Using GenAI to support transmediation: An example from a teacher preparation program. London International Conference on Education.

Ray, B. B. & Faure, C. (2025). Impacts of emergency online teaching within a rural context. 2025 Hawaii International Education Conference (4HICE). Honolulu, HI

Ray, B. B. & Ntuli, E. (2025). Reflecting on the use of Generative Artificial Intelligence as a collaborative lesson planning tool for novice elementary teachers. 2025 Hawaii International Education Conference (HICE). Honolulu, HI

Ray, B. B. (2024). Reflecting on the use of generative artificial intelligence as a collaborative lesson planning tool for novice elementary teachers. Hawaii International Education Conference.



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Ray, B. (2023). Teacher networking: use of social media to assist the transition to online/remote teaching during the early weeks of the COVID 19 pandemic. London International Conference on Education, St. Anne's College, Oxford, England.

Ray, B. (April 2023). Use of Twitter as a dispositional tool for teachers during the shift to emergency remote learning. Applying Education Conference, Toronto, ON, Canada.

Ray, B & Ntuli, E. (April 2023). Rural teachers' perspectives on Makerspace as a STEM learning tool. Applying Education Conference, Toronto, ON, Canada.

Bennett, C. A. & Ray, B. (April 2023). Novice Teachers' Perspectives on Implementing Gameful Learning Structures: The Need for Instructional Leadership. Ireland International Conference on Education (IICE2023). Conference Paper Award

Ntuli, E. & Ray, B. (January 2023). Integrated Early STEM through PBL in Makerspaces: Lessons from Professional Development with K-3 Educators. The IAFOR International Conference on Arts & Humanities in Hawaii (IICAH2023).

Ray, B., & Ntuli, E. (2022, April). Teachers' experiences during the early pandemic years: Twitter has a role to play in telling the story. In Society for Information Technology & Teacher Education International Conference (pp. 1035-1041). Association for the Advancement of Computing in Education (AACE).

Ntuli, E. & Ray, B. (2020). Elementary Teachers' STEM Integration Strategies: Lessons Learned from a Professional Development Institute for K-3 Educators. In D. SchmidtCrawford (Ed.), Proceedings of Society for Information Technology & Teacher Education International Conference (pp. 800-805). Online: Association for the Advancement of Computing in Education (AACE).

Bennett, C., & Ray, B. B. (2020/2021). Reframing Teaching and Learning in Higher Education: Leveraging Gameful Learning to Create Student-Centered Learning Experiences. Ireland International Conference on Education, Dublin, Ireland. (April 2020). (Online: Covid travel restrictions).

Ray, B. B. (Accepted 2019). Examining the possibilities: Gameful learning as an innovative pedagogy for teacher preparation programs. ICDETI 2019: International Conference on Designing Effective Teaching Instructions, London, UK. (Covid travel restrictions).

Ray, B. B., Bennett, C., & Ray, G. H. (2018). Perspectives on coding and professional development. Peer reviewed paper presented at the 2015 Hawaii International Conference on Education.

Bennett, C., Ray, B. & Fairly-Nelson, M. (2017). Supporting stem teachers' learning: Lessons from a newly established school in the middle east. International Conference on Education and New Developments 2017 (END 2017), Lisbon, Portugal.

Ray, B., Rogers, R.R.H. & Hocutt, M. (2017). K-12 Educators' Perspectives on Coding: Moving from "I can't" to "I do". In P. Resta & S. Smith (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2017 (pp. 2791-2795).



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Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).

Ray, B. B., Hocutt, M., & Patterson, S. (2015). After the disaster: Now what? Peer-reviewed poster presented at the 2015 National Council for the Social Studies Annual Conference, New Orleans, LA.

Ray, B. B. (2015). Using Flipped Classroom to promote engaged inquiry learning among preservice teachers. Peer reviewed paper presented at the 2015 Hawaii International Conference on Education.

Ray, B. B. (2015). Learning from and teaching about disaster: The case of the April 2011 tornado outbreak. Peer reviewed paper presented at the 2015 Hawaii International Conference on Education.

Ray, B. B., & Jacobsen, B. (2013). Reflecting on simSchool: Can an online simulation promote reflective teaching practices among preservice learners? Hawaii International Conference on Education.

Ray, B. B., & Ray, G. H. (2013). Learning from and teaching about disaster: The case of the April 2011 tornado event. Peer reviewed paper presented at the 2013 Hawaii International Conference on Education.

Ray, B. B., Jacobsen, B., & Ray, G. (2012). Perceptions of preservice teachers of video games as learning tools. Proceedings of the Society for Instructional Technology and Education.

Ray, B. B. (2011). Supporting conceptual learning in the Social Studies via digital gaming. Peer reviewed paper presented at the 2011 Hawaii International Conference on Education.

Ray, B. B., Jacobsen, B., & Ruchti, W. (Accepted, 2011). Wii the Teachers: Serious games for serious learning. Society for Instructional Technology and Education.

Ray, B. B., & Hocutt, M. (2010). Using an online simulation to promote conceptual learning. EDUCAUSE Learning Initiative (ELI) Conference.

Coulter, G., & Ray, B. (2009). Teacher candidates' perceptions of the efficacy of the use of webcasts as online supplemental instruction in a traditional education course. In T. Bastiaens, et al. (Eds.). Proceedings of the World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2009 (p. 2475). Chesapeake, VA: AACE.

Ray, B. B. (Accepted, 2009). Using an online simulation/role play to teach about genocide. National Council for the Social Studies Annual Conference.

Ray, B. B. (2008). Got game? Educators' perspectives on the value of digital games. Proceedings of the Society for Instructional Technology and Education.

Coulter, G., & Ray, B. B. (2008). Designing for the future of webcasting. Proceedings of the Society for Instructional Technology and Education.



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Ray, B. B. (2007). Digital and mass media literacy in the age of terrorism: What do teachers need to know about media use? Proceedings of the Society for Instructional Technology and Education.

Ray, B. B., Hocutt, M., & Patterson, S. (2005). Weblogs to promote creative expression and reflective practice in e-learning environments. World Conference on E-Learning in Corporate, Government, Healthcare, & Higher Education.

Hocutt, M. M., Patterson, S. K., & Ray, B. (October 2005). Blog, blog, blog. Educause 2005.

Hocutt, M., Ray, B., & Wright, V. (2005). High school students: How do they obtain technology skills? Proceedings of the Society for Instructional Technology and Education.

Ray, B. B., Hocutt, M., Wright, V., & Ray, G.S. (2004). Collaborative lesson planning in WebCT: Observations from a K-8 social studies methods course. Proceedings of the Society for Instructional Technology and Education.

Hocutt, M., Wright, V., Hartman, J., & Ray, B. (2004) Comparing instructional methodologies in sixth grade science: Traditional textbook, integrated science, and integrated science with technology enhancement. Proceedings of the Society for Instructional Technology and Education.

Ray, B. B. & Patterson, S.K. (2003). Online ethics: Challenges for preservice educators. Proceedings of the Society for Instructional Technology and Education.

Powell-Mikle, A., & Ray, B. B. (2003). Pre-service math educators' receptivity to mathematically-based electronic portfolios as assessment, reflection and anxiety reduction tools. Proceedings of the Society for Instructional Technology and Education.

Strickland, J, Ray, B. & Coffland, D. (2003). An integration partnership: Technology, methodology, and early field experiences. Association of Teacher Educators (ATE) Conference.

Ray, B. B. & Hocutt, M. (2002). Real history: Interactive slideshows to support educational objectives in the Social Studies. Proceedings of the Society for Instructional Technology and Education.

Ray, B. B., McFadden, A., Patterson, S., & Hocutt, M. (2001). Revolution in hand: Personal digital assistants in the science classroom. Proceedings of the Society for Instructional Technology and Education.

Ray, B. B., Wright, V., Stallworth, J., & Wilson, E. (2001). Electronic portfolios and preservice teachers. Proceedings of the Society for Instructional Technology and Education.
NonPeered Review Publications

Bennett, C. A., & Ray, B. (2018). Computational thinking: A hidden gem in early STEM learning. STEM Magazine UAE, 1, 25-27. <http://www.stemmagazine.com/UAEjan18/>

Selected International, National, and Regional Presentations



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Ray, B. B., & Patterson, S. (October 2001). Handheld computers in the classroom. EDUCAUSE.

Wilson, E. K., Rice, M., Ray, B., Stallworth, B., Shaver, K., & Callison, K. (June 2000). A virtual trip through the civil rights movement. National Educational Computing Conference.

Wilson, E. K., Rice, M. & Ray, B. B. (November 1998). Integrating technology and constructivism into the social studies classroom: Making a difference. National Council for the Social Studies Annual Meeting.

Wilson, E. K. & Ray, B. (March 1998). Teaching the Holocaust. Mortar Board Social Studies Conference, University of Alabama, Tuscaloosa, AL (Invited)

Wilson, E. K., Ray, B., & Evans, A. (November 1996). Using virtual fieldtrips for instructional purposes. National Council for the Social Studies Annual Meeting.

Ray, B. (October 1992). The great disease migration. National Council for Geographic Education/ Society of Latin American Geographers, Annual Meeting. Santo Domingo, DR.

Ray, B. (March 1990). Crossroads of understanding: Communications in a technological society. National Council for the Social Studies Southeast Regional Meeting.

Selected Edited Journals and Review Boards

Editor. (2001 - 2008). Electronic Journal for the Integration of Technology in Education

Reviewer. (2003 - present). Journal of Technology and Teacher Education. AACE Journal Review Board.

Reviewer. (2008 - present). Journal for Computer Assisted Learning.

Reviewer. (2004; 2005 - present). Journal of Interactive Online Learning.

Reviewer. (2008 - present). Current Issues in Education.

Reviewer. (2003). View of the principal and the job. The George Lucas Educational Foundation. Available from <http://www.glef.org/courseware/index.html>

COURSES TAUGHT

(Current Courses **Bolded**)

Idaho State University (Selected Courses: 2001- present)

EDUC 3311, Technology for Teachers

EDUC 3336, Social Studies Methods

EDUC 4499, Geography for Educators



Idaho State University

EDUC 6601, Research and Writing

EDUC 6602, Theories of Learning

EDUC/EDLT 6616, Integration of Technology into the School Curriculum

EDUC 6622, Measurement & Assessment

EDUC 6630/6631, Advanced Social Studies Methods

EDUC 6641, Advanced Curriculum Design

EDUC 6670/6671, Elementary/Secondary Seminar

EDUC 6649, Seminar in Education

EDLP 800, Seminar (1 credit)

EDUC/EDLT 737, Practicum

EDUC/EDLT 6655, Fundamentals of Instructional Design

EDLP 7705, Advanced Research Design I (Qualitative)

SELECTED K-12/OTHER PROFESSIONAL DEVELOPMENT OFFERED

One to One (n=15) Technology Professional Development for Jr/Sr. High Teachers, Sho-Ban Jr/Sr. HS, Fall 2017/Spring 2018/Fall 2019

Introduction to Coding and Robotics Workshop, Idaho District 91 Professional Workshop, October 2016 Technology Workshop I/II, American United School, Kuwait City, Kuwait, August 2015/January 2016.

Assessment Workshop I/II, Shoban Jr/Sr. High School, Fort Hall Indian Reservation, Fort Hall, ID, 2015 Hit it Out of the Park, Technology Workshop, University of West Alabama, 2014

Technology Workshop, American School of Puebla, Puebla, Mexico, 2003

Technology Workshop, American School of Sichuan, China, 2001

Technology Consulting, American School of Paris, Saint-Cloud, France, 2002

Technology Consulting, American School of Warsaw, Poland, 2000.

Technology Consulting, American School of Krakow, Poland, 2000

Technology Workshop, American School of Rome, 1998