

Brian D. Beitzel

University Address

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Educational History

- 2004 *Ph.D., Educational Psychology*, University of Wisconsin-Madison. Minor: Measurement. Dissertation Title: *Designing Contrasting Video Case Activities to Facilitate Learning of Complex Subject Matter*. Chair: Dr. Sharon J. Derry.
- 1999 *M.S., Educational Psychology*, University of Wisconsin-Madison. Thesis Title: *Mnemonimals Unleashed: Categorization of, and Memory for, Unusual Creatures*. Chair: Dr. Joel R. Levin.
- 1996 *B.S., Psychology*, Colorado State University-Pueblo. Summa Cum Laude.
- 1993 *B.A., Education*, Peoples Bible College, Colorado Springs, Colorado.

Areas of Specialization

Cognition in educational contexts

Professional Organizations

American Educational Research Association

Divisional Memberships: Learning and Instruction (Div. C), Measurement (Div. D)

American Psychological Association (APA) Divisional Memberships:

Teaching of Psychology (Div. 2), Educational (Div. 15)

Honors and Awards

- 2009 *SUNY Chancellor's Award for Excellence in Teaching*.
- 2007 *Paul R. Pintrich Outstanding Dissertation Award*, American Psychological Association (Division 15: Educational Psychology).
- 2006, 2007 *Outstanding Faculty Member*, SUNY Oneonta Inter-Greek Council (2 awards in 2007).

Teaching Experience

Positions Held

- SEPT. 1, 2010-
PRESENT *Associate Professor*, Department of Educational Psychology, Counseling and Special Education, State University of New York College at Oneonta. (Tenured on September 1, 2011)
- SEPT. 1, 2004-
AUG. 31, 2010 *Assistant Professor*, Department of Educational Psychology and Counseling, State University of New York College at Oneonta.
- 1998-1999 *Teaching Assistant*, Psychology, UW-Madison. Taught labs and discussion sections for an undergraduate research methods course; supervised students' independent research projects.
- 1997-1998 *Teaching Assistant*, Educational Psychology, UW-Madison. Assisted with grading student work.
- 1996 *Teaching Assistant*, Educational Psychology, UW-Madison. Assisted with grading student work.
- 1989-1991 *Elementary Teacher*, Emmanuel Day School, Colorado Springs, Colorado. Taught various classes to students in the upper grades.

Courses Taught

Psychological Foundations of Education: Learning and Motivation, SUNY Oneonta.

Child Growth and Development, SUNY Oneonta.

Educational Applications of Developmental Psychology, SUNY Oneonta.

Survey of Exceptional Children, SUNY Oneonta.

Experimental Psychology Lab, Department of Psychology, UW-Madison. Developed lab syllabus and lesson plans. Supervised students' independent research projects.

Scholarship

Manuscripts in Preparation

Beitzel, B. D., & Serlin, R. C. (2011). *Withering criticism: Or, how to determine if a theory is wrong*. Manuscript in preparation.

Manuscripts Under Review

Beitzel, B. D. (2011). *Formatting Sweave and L^AT_EX documents in APA style (6th edition) using the apa6 class*. Manuscript submitted for publication.

Manuscripts in Press

Beitzel, B. D. (in press). The meetingmins L^AT_EX class: Hierarchically organized meeting agendas and minutes. *TUGboat*.

Refereed Journal Articles

- Beitzel, B. D., Staley, R. K., & DuBois, N. F. (2011a). The (in)effectiveness of visual representations as an aid to solving probability word problems. *Effective Education*, 3, 11–22.
- Beitzel, B. D., Staley, R. K., & DuBois, N. F. (2011b). When best intentions go awry: The failures of concrete representations to help solve probability word problems. *Educational Research Quarterly*, 34(3), 3–14.
- Beitzel, B. D. (2010). Numbers can be hazardous to your health: Using boxplots to monitor collaborative assessment data. *Excelsior: Leadership in Teaching and Learning*, 5(1), 90–98.
- Beitzel, B. D., & Derry, S. J. (2009). When the book is better than the movie: How contrasting video cases influence text learning. *Journal of Educational Computing Research*, 40, 337–355.
- Derry, S. J., Hmelo-Silver, C. E., Nagarajan, A., Chernobilsky, E., & Beitzel, B. D. (2006). Cognitive transfer revisited: Can we exploit new media to solve old problems on a large scale? *Journal of Educational Computing Research*, 35, 145–162.
- Jones, M. S., Levin, M. E., Levin, J. R., & Beitzel, B. D. (2000). Can vocabulary-learning strategies and pair-learning formats be profitably combined? *Journal of Educational Psychology*, 92, 256–262.

Newsletter Articles

- Beitzel, B. D. (2009, January). Handle with care: Videos can hinder student learning. *On Center*, 25(5), 3.

Refereed Conference Presentations

- Beitzel, B. D., & Staley, R. K. (2012, April). *Promoting problem-solving accuracy through the use of concrete representations*. Paper accepted for presentation at the annual meeting of the American Educational Research Association, Vancouver, British Columbia.
- Beitzel, B. D., & Staley, R. K. (2011, April). *Sometimes they are effective: Using external representations to help solve probability word problems*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Beitzel, B. D., Staley, R. K., & Dubois, N. F. (2009, April). *When best intentions go awry: The failures of concrete representations to help solve probability word problems*. Poster presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Beitzel, B. D., Staley, R. K., & DuBois, N. F. (2008, March). *The cognitive load cost of constructing representations when learning to solve mathematical word problems*. Poster presented at the annual meeting of the American Educational Research Association, New York.
- Atkinson, R. K., Lusk, M. M., & Beitzel, B. D. (2007, August). *Learning from book-based examples: Exploring the impact of combining fading with prompts and matrices*. Paper presented at the biennial meeting of the European Association for Research on Learning and Instruction, Budapest, Hungary.
- Beitzel, B. D., Staley, R. K., & DuBois, N. F. (2007, April). *Do representations help college students solve mathematical word problems?* Poster presented at the annual meeting of the American Educational Research Association, Chicago.
- Beitzel, B. D., & Derry, S. J. (2004, April). *Designing contrasting video case activities to facilitate learning of complex subject matter*. Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Rummel, N. E., Levin, J. R., & Beitzel, B. D. (2001, August). *Can a mnemonic study strategy enhance students' processing and recall of integrated text?* Paper presented at the 9th European Conference for Research on Learning and Instruction, Fribourg, Switzerland.

- Beitzel, B. D., Glover, T. A., Levin, J. R., & Carney, R. N. (2000, April). *Can students learn and remember conceptual categories mnemonically?* Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- Derry, S. J., & the STEP Research Group*. (2000a, April). *Reconceptualizing professional development: Collaborative video projects on the World Wide Web.* Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA. (*P. Feltovich, R. Spiro, C. Hmelo, C. Fassnacht, C. Steinkuehler, J. Street, J.-B. Kim, N. Canty, J. Posselt, J. Lee, B. Beitzel, M. Siegel, J. Seymour, B. Viola, & Y. Lee).
- Derry, S. J., & the STEP Research Group*. (2000b, October). *Taking STEPs toward infusing modeling and visualization technologies into teacher education.* Paper prepared for the NSF-sponsored workshop, Integrating Modeling and Visualization into K-12 Teacher Education Programs, Alexandria VA. (*P. Feltovich, R. Spiro, C. Hmelo, C. Fassnacht, C. Steinkuehler, J. Street, J.-B. Kim, N. Canty, J. Possett, J. Lee, B. Beitzel, M. Siegel, J. Seymour, B. Viola & Y. Lee).
- Atkinson, R. K., Levin, J. R., Beitzel, B. D., & Glover, T. A. (1999, April). *In search of the unique cognitive benefits of mnemonic matrices.* Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Glover, T. A., Beitzel, B. D., Levin, J. R., & Carney, R. N. (1999, April). *Mnemanimal classifications: A technique for recognizing what's what and who's who on your day at the zoo.* Paper presented at the annual meeting of the American Educational Research Association, Montreal, Canada.
- Jones, M. S., Levin, J. R., Levin, M. E., & Beitzel, B. D. (1998, April). *Are two vocabulary-learning heads better than one?* Paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.

Non-Refereed Conference Presentations

- Beitzel, B. D. (2010, October). *When you want the whole story, get some good graphics: Using boxplots to monitor assessment data.* Poster presented at the Fall 2010 conference of the New York State Association of Teacher Educators, New York Association of Colleges for Teacher Education, and Task Force on Quality Inclusive Schooling, Saratoga Springs, NY.
- Beitzel, B. D. (2008, October). *Banishing the elephant from the room: Myths about learning styles.* Presented at the annual Best Practices Conference, SUNY Oneonta, Oneonta, NY.
- Beitzel, B. D., Staley, R. K., & DuBois, N. F. (2008, March). *Solving probability problems in college: Do external representations help?* Poster presented at the Faculty Research Show, SUNY Oneonta, Oneonta, NY.
- Beitzel, B. D., & Derry, S. J. (2004, November). *Contrasting video case activities: Which instructional designs lead to better learning?* Poster presented at the Celebration of Teaching, SUNY Oneonta, Oneonta, NY.

Open-Access Text Materials (Peer-reviewed)

- Beitzel, B. D. (2011). *Information-processing theory for classroom teachers.* [Open-source textbook chapter.]

Invited Presentations

- Beitzel, B. D. (2008, September). *Using video in class: When the book is better than the movie.* Invited lecture presented in the Famous Last Words lecture series, SUNY Oneonta, Oneonta, NY.
- Beitzel, B. D. (2007, August). *When the book is better than the movie: How contrasting video cases influence text learning.* Invited address (delivered on my behalf by dissertation advisor Sharon Derry [due to the

birth of my son]) for the Paul R. Pintrich Outstanding Dissertation Award, presented at the annual meeting of the American Psychological Association, San Francisco.

Software

apa6. (2011). [A display class to format documents in compliance with the American Psychological Association's *Publication Manual* (6th edition) using the L^AT_EX typesetting software.]

meetingmins. (2011). [A display class to facilitate formatting and printing of meeting minutes using the L^AT_EX typesetting software.]

Division of Education Assessment Data

2005-PRESENT Wrote reports and provided psychometric interpretation of student assessment data, as well as technical support, for all departments in the Division of Education.

Grants and Awards

2011-2012 Principal Investigator, *Customizing the Teaching of Educational Psychology Using Open-Access Text and Materials*, College Open Textbooks (\$2,250 award). This grant enabled a group of educational psychologists from around the country to publish open-access materials for college courses.

2011-2012 Assessment Incentive Grant, Academic Program Assessment Committee, SUNY Oneonta (\$1,030 award).

2005-2006 *Teaching Fellow*, Teaching Learning and Technology Center, SUNY Oneonta (\$5,000 award). Developed a multimedia "e-Lecture" interface from the ground up using Macromedia Flash.

College and Community Service

Department of Educational Psychology, Counseling and Special Education

- 2012 Search Committee (Assistant Professor).
- 2010-2011 Search Committee Chair (Assistant Professor).
- 2005 Search Committee (Assistant Professor).

Division of Education

- 2005-2009, 2010-2011 Program Assessment Committee (Chair, 2005-2007).
- 2004-2005 Social Committee.

College-wide

- 2010-PRESENT Portal Implementation Team.
- 2007-PRESENT Committee on Instruction (Chair, 2007-2011).
- 2005-2010 Educational Technology Committee.
 - 2009 Task Force on Institutional Distinctiveness (part of the campus strategic planning process)
 - 2007 Search Committee (Associate Provost for Institutional Assessment & Effectiveness).
- 2004-2006 College Senate.

Community Service

- 2005-PRESENT Village of Otego Planning Board.

Service to the Profession

- 2007-PRESENT Editorial Review Board, *Excelsior: Leadership in Teaching and Learning*.
- 2010 Review panelist for the National Science Foundation.
- 2010 Proposal reviewer for the 2010 annual meeting of the Cognitive Science Society.
- 2009 Manuscript reviewer for *Journal of Educational Computing Research*.