Curriculum Vitae
Andrew Topper

Personal Information

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Current Academic Position

1999-present Associate professor, College of Education (COE), Special Education, Foundations and Technology department, Grand Valley State University
*   *received promotion to Associate Professor in Winter, 2004 and tenure in Winter, 2005*

Education

1998   Ph.D. in Educational Psychology with an emphasis on cognition and technology from Michigan State University. <u>Dissertation title</u>: Conversations about teaching and technology: A support group for teacher professional development.
*   Chair: Dr. Ralph Putnam*

1981   B.S. in Computer Science from Grand Valley State University

Teaching Experience

Postgraduate courses

- *ED 660 Educational Evaluation and Research, 2003 & 2010-2011*
- *EDG 618 Introduction to Microcomputers in Education, 2001-2*
- *EDG 619 Classroom Uses for the Microcomputer, 1999-2009*
  Renamed EDT 619 Curricular Integration of Educational Technology
- *EDG 620 Courseware Development, 1999-2009*
  Renamed EDT 620 Evaluating/Applying Instructional Media
- *EDG 621 Topics in Educational Technology, 1999-2011*
- *ED 693/695 Educational Research Applications(Thesis), 2000-2010*
- *EDT 629 Online Instructional Design/Development, 2007*
- *EDT 626 Assessment & Evaluation with Technology, 2008-2010*
- *EDT 627 Curricular Integration for Secondary Teachers, 2009*
- *EDT 628 Digital video for instruction, 2011-2012*

Professional Service

2000-2008 Member, Editorial board, Journal of Research on Technology in Education

2008- Reviewer, Journal of Educational Computing Research

Grants and Research Projects

2012 Pew FTLC Scholar Teacher Grant proposal (submitted by not funded)

2009 Arthur Vining Davis Foundation Secondary Education program (submitted but not funded)

2002   Award recipient, Online professional development for Michigan teachers' grant ($5000) from Michigan Virtual University

1998-2001 Principal Investigator, Center for the Improvement of Early Reading Achievement (CIERA) project, Michigan State University

1998-1999 Principal Investigator, NEXTDay Grant evaluation project, Michigan State University (co-author, final report to governor's office)

Professional Awards and Recognitions

ISTE Service award for contributions to the Journal of Research on Technology in Education

Midwest Association of Graduate Schools/ETS Award for Excellence & Innovation in Graduate Education (submission for GVSU, 2013)

K-12 Partnership Projects

2014- Southwood Elementary School – professional development around technology with lower elementary teachers

2009-2011 Allendale Public School 1:1 laptop initiative – evaluation and professional development services provided

2007-2009 Michigan State University, Grand Rapids Public Schools partnership with the Institute for Learning (IFL) external project evaluation team (member) under the direction of Robert E. Floden, MSU College of Education

2007-2008 Sherwood Park Elementary school, Grand Rapids Public School partnership around technology and teacher professional development (Sabbatical)

University Service

2013-   Member, Newspaper Advisory Committee

2012-   Member, SEFT Personnel Committee

2008-2012 Vice-Chair, Special Education, Foundations & Technology department

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2005-2008 Chair, College of Education Curriculum & Standards Committee

2006-2007 Member, University Curriculum Committee
University

2002-2006 Chair, Graduate Assessment Committee, College of Education

2002-2009 Coordinator, Graduate Educational Technology program
2012-

2002-2004 Member, University Academic Senate, Grand Valley State

Task Force Memberships

2013- Member ED 693 task force working group

2008-2009 Member Online graduate degree policy task force (GVSU Faculty Senate)

2004-2005 Co-chair Asynchronous teaching with technology task force (GVSU Faculty Senate)

2002-2004 Chair ED 693/695 Task force (COE)

Curricular Proposals Authored

Modifications to M.Ed. degree to include field experience

Graduate Certificate in online/blended instruction and assessment

Online M.Ed. degree in educational technology integration*

Curricular changes to the M.Ed. degree in General Education, educational technology integration emphasis area

Academic reorganization of College of Education from one unit into two (2) departments

Proposal to reorganize COE M.Ed. in general education emphasis areas into individual graduate degrees

*****Note***: this is the first academic degree program to receive NCA/HLC approval for GVSU to offer "distant" programs in January, 2011*

Professional Accomplishments

- o *As program coordinator, lead curricular review of the graduate educational technology program and developed changes to align the courses with the National Educational Technology Standards for Teachers (NETS-T)*

- o *As program coordinator, designed a web-based DBMS for performance assessment data to demonstrate students' attainment of knowledge and skills for accreditation*
- o *As chair of the college of education curriculum committee, developed a working document that describes the roles and responsibilities of committee members, as well as steps in the process and required university forms and approvals*
- o *As program coordinator, developed a prospectus and final plan for university and NCA review for an online educational technology program @ GVSU*

Publications & Presentations

(a) Books

Topper, A. (1995). Object-oriented programming in COBOL. McGraw-Hill.

Topper, A., Ouelette, D., & Jorgensen, P. (1993). Structured methods: Merging models, techniques, and CASE. McGraw-Hill.

(b) Journal Articles (refereed)

Topper, A., & Lancaster, S. (2013). Common challenges and experiences of school districts that are implementing 1:1 computing initiatives. Computers in the Schools, 30(4), 346-358.

Topper, A. (2007). Are they the same? Comparing the instructional quality of online and face-to-face graduate education courses. Assessment & Evaluation in Higher Education, 32(6), 681-691.

Topper, A. (2005). Facilitating student interactions through discursive moves: An instructor's experience teaching online graduate courses in educational technology. Quarterly Review of Distance Education, 6(1), 55-67.

Topper, A. (2004). How are we doing? Using a self-assessment to measure changing teacher technology literacy within a graduate educational technology program. Journal of Technology and Teacher Education, 12(3), 303-317.

Zhao, Y., Byers, J., Mishra, P., Topper, A., Chen, H., Enfield, M., Ferdig, R., Frank, K., Pugh, K., & Tan, S.H. (2001). What do they know? A comprehensive portrait of exemplary technology-using teachers. Journal of Computing in Teacher Education, 17(2), 24-36.

Gillingham, M., & Topper, A. (1999). Technology in Teacher Preparation: Preparing Teachers for the Future. Journal of Technology and Teacher Education, 7(4), 303-322.

Gillingham, M., Topper, A., Ellefson, N., & Worthington, V. (1996). Teacher professional development on the World-Wide Web: The LETSNet Web site and teacher learning. Journal of Computers in Teacher Education, 13(4), 25-33.

(c) Presentations

Topper, A., & Lancaster, S. (2013, September). Evaluating the experiences of students in an online M.Ed. program. Paper presented at the Lilly Conference on College and University Teaching, Traverse City, MI.

Topper, A. & Lancaster, S. (2012, September). Experiences of students and faculty in a fully online graduate educational technology degree program. Poster presented at the Lilly Conference on College and University Teaching, Traverse City, MI.

Lancaster, S. & Topper, A. (2012, September). Implementing a ubiquitous iPad initiative in a graduate program. Panel presented at the Lilly Conference on College and University Teaching, Traverse City, MI.

Topper, A., Lancaster, S. (2012, March). Experiences in 1:1 school districts. Panel presentation at the Michigan Association of Computer Users in Learning (MACUL) annual conference in Grand Rapids, MI.

Topper, A. (2011, September). Creating community in online college courses: social presence and online learning. Poster presented at the Lilly Conference on College and University Teaching, Traverse City, MI.

Topper, A. & Lancaster, S. (2011, March). Challenges and experiences of school districts in lower West Michigan that are implementing 1:1 computing initiatives. Paper presented at the Society for Information Technology in Education (SITE) conference, March 9-11, 2011.

Topper, A., Cooley, R., Subramony, D., & Lancaster, S. (2011, March). Supporting teacher learning in a 1:1 laptop initiative. Paper presented at the Society for Information Technology in Education (SITE) conference, March 9-11, 2011.

Lancaster, S. & Topper, A. (2011, March). Evaluating a ubiquitous computing initiative. Roundtable at the Society for Information Technology in Education (SITE) conference, March 9-11, 2011.

Topper, A. & Subramony, D. (2011, February). Supporting students' affective development using synchronous communication tools. Paper (virtual) presented at the Global Technology, Innovation, Media & Education (TIME) conference, February 22-24, 2011.

Lancaster, S. & Topper, A. (2010). Evaluating K-12 1:1 Laptop Initiatives. In D. Gibson & B. Dodge (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conference 2010 (pp. 1011-1013). Chesapeake, VA: AACE.

Topper, A. & Lancaster, S. (2010, March). Evaluating K-12 one-to-one laptop initiatives in lower West Michigan. Paper presented at the Michigan Association of Computer Users in Learning annual conference, Grand Rapids, MI.

Topper, A., & Subramony, D. (2009, September). Engaging students through online dialogue: Experiences with synchronous and asynchronous tools. Paper presented at the Lilly Conference on College and University Teaching, Traverse City, MI.

Topper, A., Lancaster, S., & LaBeau, B. (2008, March). Technology for pre- and in-service teachers at GVSU. Paper presentation at the Michigan Association of Computer Users in Learning (MACUL) annual conference in Grand Rapids, MI.

Topper, A., & Myers, D. (2007, February 8). Using online tools to build learning communities. Panel session (C) at the MVU Online Learning Experience Symposium in East Lansing, MI.

Topper, A. (2006, March). Using a web-based assessment system for program improvement: Decision support for graduate education. Proceedings of Society for Information Technology & Teacher Education International Conference 2006 (pp. 178-182). Chesapeake, VA: AACE.

Topper, A. (2005, March). Evaluating the quality of online graduate educational technology courses: What can student course evaluations and participation tell us about our instruction? In C. Crawford et al. (Eds.), Proceedings of Society for Information Technology & Teacher Education International Conferennce 2005 (pp. 1227-1231). Chesapeake, VA: AACE.

Topper, A. (2004, March). Are they e-learning what we're e-teaching? An exploration into what teachers learn (and how to facilitate it) in an online graduate course. Paper presented at the Society for Information Technology in Education (SITE) conference in Atlanta, GA.

Patterson, N., & Topper, A. (2003, May). The rhetoric of reticence. Paper presented with Nancy Patterson at the Computers & Writing 2003 conference in West Lafayette, IN.

Topper, A. (2003, April). Teacher Professional Development via Distance Education: An analysis of teacher learning in a web-based environment (BlackBoard) (Division C, Section 5). Paper presented at the 2003 annual American Educational Research Association (AERA) conference in Chicago, IL.

Topper, A. (2003, March). Teacher Professional Development via Distance Education: An analysis of teacher learning in a web-based environment (BlackBoard). Paper presented at the Society for Information Technology & Teacher Education (SITE) 2003 conference in Albuquerque, NM.

Topper, A. (2002, March). WebQuests: An easy way to integrate technology into your classroom. Paper presented at the Michigan Association of Computers Users in Learning (MACUL) conference in Grand Rapids, MI.

Topper, A., Kehus, M., Denyer, J., & Ferdig, R. (2001, December). Merging technology, teaching and learning: Developing and using learning environments supported by technology. Panel presentation at the 2001 National Reading Conference in San Antonio, TX.

Topper, A. (2001, March). How can we tell if teachers are learning to integrate technology? An examination of a simple method for evaluating changing teacher knowledge within a graduate program. Presentation at the Michigan Association of Computer Users in Learning (MACUL) annual conference, Detroit, MI.

Stevenson, T., & Topper, A. (2001, March). Using CAI to improve middle school students' math achievement and attitudes during a summer program with a student. Presentation at the MACUL annual conference, Detroit, MI.

Spiro, R., George, M.A., Highfield, K., Kehus, M. & Topper, A. (2000, December). Seeing worlds in grains of sand: Cases, complexity and cognitive flexibility in the Teachers Learning Collaborative. Panel participant at the 2000 National Reading Conference in Scottsdale, AZ.

Frank, K.A., Zhao, Y. & Topper, A. (2000, August). Diffusion of Innovations, Social Capital, and Sense of Community. Paper presented at the American Sociological Association annual meeting in Washington, DC.

Topper, A. (2000, May). The role of technology: Where and How does it fit? CIERA Teacher Network: CIERA Teacher Researchers: Autobiography Book Club Plus. Paper presented at the International Reading Association annual meeting in Indianapolis, IN.

Topper, A. (2000, March). Technology: A tool for communication across distance and time to support a teacher discourse community. The Teacher Learning Collaborative: Linking communities of practice. Presentation at the Michigan Reading Association annual conference, Detroit, MI.

Topper, A. (2000, February). Teachers' beliefs about technology, teaching, learning and their role in shaping plans for classroom technology use. Paper presented at the SITE 2000 conference in San Diego, CA.

Topper, A. (2000, February). Patterns of e-mail use in a conversation-based teacher development group. Paper presented at the SITE 2000 conference in San Diego, CA.

(d) Book Reviews

How to Design and Evaluate Research in Education, 8th edition, Fraenkel, J., Wallen N., & Hyun, H. Reviewed January 2013 for McGraw-Hill (received honorarium).

Web-based learning and teaching technologies: Opportunities and challenges, edited by Anil Aggarwal and published by Idea Group Publishing. Reviewed for Teachers College Record. Submitted in January 2001, published November 2002.

Professional Organizations

1998-2013   Member, American Educational Research Association
1998-   Member, International Society for Technology in Education
2002-   Member, Michigan Association of Computer Users in Learning

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