

Cindy S. York

Associate Professor

Educational Technology, Research & Assessment, Northern Illinois University

Gabel Hall 208, DeKalb, IL 60115

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EDUCATION

Ph.D. 2010

Educational Technology

Department of Curriculum and Instruction

Purdue University, West Lafayette, Indiana

Dissertation: Instructional Design Heuristics; Advisor: Dr. Peggy A. Ertmer

M.S. 2000

Computer and Information Technology

Database Management Systems

Purdue University, West Lafayette, Indiana

B.A. 1994

Elementary Education

Department of Curriculum and Instruction

Purdue University, West Lafayette, Indiana

B.A. 1994

Psychological Sciences

Purdue University, West Lafayette, Indiana

ACADEMIC EXPERIENCE

Associate Professor (2017-present)

Educational Technology, Research & Assessment, Northern Illinois University

ETT 799a Doctoral Research and Dissertation (Fa17-Sp26)

ETT 743 Seminar: Instructional Technology Problems (Sp22, Sp26)

ETT 535 Distance Education: Design & Delivery (Fa17-Fa18, Fa19-Fa21, Fa22-Fa25)

ETT 740 Seminar: Educational Technology Foundations (Fa17-Fa22, Fa25)

HON 300 Honors Seminar with General Education Domain: AI (Fa25)

ETT 529 Theories of Instructional Design and Technology (Sp25)

ETT 592/792 Special Topics in Instructional Technology, AI in IT Writing (Su25)

ETT 429 Computers in Classroom Teaching (Fa23-Sp24, Sp25-Su25, Sp26)

ETT 530 Instructional Technology Tools, Artificial Intelligence (Su23, Sp25, Sp26)

ETT 459 Learner-Centered Educational Courseware Development (AI) (Sp25, Sp26)

ETT 515 Introduction to Educational Computing Pedagogy for K12 (Su24)

ETT 590 Workshop in Instructional Technology, Artificial Intelligence (Sp24)

ETT 741 Seminar: Instructional Technology Theory (Sp24)

ETT 511 Advanced Instructional Media Design (Su22)

ETT 311 Instructional Media Literacy, Prototyping, and Publication (Su22, Su23)

ETT 555 Media Design: Multimedia (Sp21, Sp22, Fa23)

ETT 561x Human Resource Development (Sp21, Sp22)

ETT 492 Human Resource Development (Sp21, Sp22)

ETT 510 Instructional Media and Technology (Su18, Sp19-Fa20, Su21, Fa21)

ETT 430 Survey – Instructional Technology (Su18, Sp19, Su21, Fa21)

ETT 592 Special Topics in Instructional Technology, LearnIT (Su18, Su19, Su21)

ETRA 490 Professional Portfolio Assessment (Fa19, Sp20)

ETT 790 Workshop in Instructional Technology: Writing for your Dissertation (Fa19)

ETT 527 Library Material for Children (Fa18)

Assistant Professor (2011-2017)

Educational Technology, Research & Assessment, Northern Illinois University

ETT 799a Doctoral Research and Dissertation (Sp15 - Su17)

ETT 535 Distance Education: Design & Delivery (Sp12, Su13, Sp14, Fa14, Fa 15-Fa16)

ETT 740 Seminar: Educational Technology Foundations (Fa14, Fa15, Fa16)

ETT 743 Seminar: Instructional Technology Problems (Sp15)

ETT 560 Instructional Design I (Sp15)

ETT 511 Advanced Instructional Media Design (Sp15, Su15, Sp17)

ETT 530/590 Instructional Technology Tools Workshop, LearnIT (Su13, Su14, Sp15, Su15, Su16)

ETT 510 Instructional Media and Technology (Sp13, Fa13, Fa14, Su15, Fa15, Su17)

ETT 530 Instructional Technology Tools (Fa12, Fa14)

ETT 741 Seminar: Instructional Technology Theory (Sp14)

ETT 590 21st Century Learning with IBL & Web 2.0 (Co-taught) (Sp14)

ETT 590 iPads in the Classroom (Sp12, Su13, Sp14)

ETT 401B Field Experience for Integrating Technology into the Elementary Classroom (Fa11 – Sp14)

ETT 555 Media Design: Multimedia (Su14)

ETT 742 Seminar: Instructional Technology Research (Fa13)

ETT 590 Preparing for the Job Hunt (Sp13)

ETT 401A Integrating Technology into the Elementary Classroom (Fa11, Sp12, Su12, Fa12, Sp13)

ETR 519 Applied Educational Research (Fa12)

ETT 592 Mobile Technologies for Teaching and Learning (Su12)

ETT 402 Teaching and Learning with Technology (Fa11)

ETT 229 Computers in Education (Fa11)

Visiting Professor

Learning Design and Technology, Purdue University

EDCI 67000 Learning Design and Technology Portfolio (Su14)

Assistant Professor

Adolescent and Adult Education, Armstrong Atlantic State University

ADED 7310 Online Learning Environment (Su11)

ADED 7320 Multimedia Design (Sp11)

EDUC 6100 Technology Applications for Teachers (Sp11)

EDUC 3100 Technology Applications for Teachers (Fa10)

ADED 7330 Current Topics in Instructional Technology (Fa10)

Graduate Assistant

Educational Technology Program, Purdue University

Lab Instructor - EDCI 270 Introduction to Educational Technology and Computing (Fa04-Su10)

Teaching Assistant Coordinator - EDCI 270 (Sp07-Su10)

(Oversaw 12 graduate teaching assistants and 22 undergraduate teaching assistants)

Co-instructor - EDCI 560 Educational Technology for Teaching and Learning (Fa08)

Co-instructor - EDCI 566 Educational Applications of Hypermedia (Fa07)

Instructor - EDCI 270P/Y Introduction to Educational Technology and Computing (Sp06-Fa07)

Instructor - EDCI 271 Classroom Applications of Educational Technology (Sp04-Fa06)

Computer Technology Program, Purdue University

Instructor - CPT 382 Data Analysis/Database Design (Fa99-Fa00)

Lab Instructor - CPT 172 Database Application Development (Sp98-Fa99)

Research Assistant

College of Technology, Purdue University

NSF grant team member: Effective Distance Learning through Sustained Interactivity and Video Realism (2005-2007)

TEACHING POSITIONS (K-12)

Fifth Grade Teacher St. Richard's School, Indianapolis, IN	1996-1997
Fourth Grade Teaching Assistant Immaculate Heart of Mary School, Indianapolis, IN	1995-1996

COURSES TAUGHT (UNIVERSITY)

Level: G = Graduate, U = Undergraduate

Delivery Format: F = Face-to-Face (In Person), O = Online, B = Blended (Hybrid)

Northern Illinois University

Advanced Instructional Media (G), (O)
 Advanced Instructional Media Design (G), (O)
 Artificial Intelligence in Writing for Instructional Technology (G), (O)
 Applied Educational Research (G), (F)
 Artificial Intelligence in Education (G, U), (O)
 Computers in Classroom Teaching (G, U), (O)
 Computers in Education (U), (O, B)
 Distance Education: Design & Delivery (G), (O, B)
 Doctoral Research and Dissertation (G)
 Field Experience for Integrating Technology into the Elementary Classroom (U), (O)
 Honors Seminar with General Education Domains: Artificial Intelligence (U), (O)
 Human Resource Development (G), (O)
 Instructional Design I (G), (O, B)
 Instructional Media & Technology (G), (O, B, F)
 Instructional Media Literacy, Prototyping, and Publication (U), (O)
 Instructional Technology Tools (U, G), (O, B)
 Integrating Technology into the Elementary Classroom (U), (F)
 Introduction to Educational Computing Pedagogy in K12 (G), (O)
 iPads in the Classroom (U, G), (O, B)
 Learner-Centered Educational Courseware Development (U), (O)
 Library Material for Children (G), (O)
 Media Design: Multimedia (G), (O, F)
 Mobile Technologies for Teaching and Learning (G), (B)
 Preparing for the Job Hunt (G), (B)
 Professional Portfolio Assessment (U), (O)
 Seminar: Educational Technology Foundations (G), (F, B, O)
 Seminar: Instructional Technology Problems (G), (B)
 Seminar: Instructional Technology Research (G), (F)
 Seminar: Instructional Technology Theory (G), (F)
 Survey: Instructional Technology (U), (O)
 Teaching and Learning with Technology (U), (F)
 Theories of Instructional Design and Technology (G), (B)
 Workshop in Instructional Technology: Writing for your Dissertation (G), (B)
 21st Century Learning with IBL & Web 2.0 (U, G), (B)

Armstrong Atlantic State University

Computers in Classroom Teaching (U), (F)
 Current Topics in Instructional Technology (G), (F)
 Multimedia Design (G), (B)
 Online Learning Environment (G), (B)
 Technology Applications for Teachers (U, G), (F)

Purdue University

Classroom Applications of Educational Technology (U), (F)
Data Analysis/Database Design (U), (F)
Database Application Development (U), (F)
Educational Applications of Hypermedia (G), (O)
Educational Technology for Teaching and Learning (G), (O)
Introduction to Educational Technology and Computing (U), (F)
Introduction to Educational Technology and Computing Laboratory (U), (F)
Learning Design and Technology Portfolio (G), (O)

CORPORATE PROFESSIONAL EXPERIENCE

Technical Analyst II Jan., 2001- Dec., 2002
Hewlett-Packard (formerly Compaq Computer Corporation). Houston, TX
Data administrator: created data flow diagrams, data models, and data dictionaries.

Information Technology Specialist 2000
SEAS LLC - Synthetic Environments for Analysis and Simulation, West Lafayette, IN
Created human resource documentation; created technical documentation for product development.

PUBLICATIONS [When authorship is shared, asterisks are used to indicate relatively greater effort or ownership, typically 50% or more.]

REFEREED JOURNAL ARTICLES

- York, C. S., Bondurant, L., Hodge-Zickerman, A., Stade, E. (2026). Digital TACTivities in data science: Investigating engagement and equitable practices. *Scatterplot*, 3(1), Article 2629578. <https://www.tandfonline.com/eprint/HKS7SGYPUVQAVC32JDJ8/full?target=10.1080/29932955.2026.2629578>
- Hodge-Zickerman, A.*, York, C. S.*, & Anderson, M. C. (2025). Is all active learning the same? Looking at a mathematically derived perspective of inquiry-based learning. *Journal on Excellence in College Teaching*, 36(4), 76—87. <https://celt.miamioh.edu/index.php/JECT/article/view/1020>
- Chen, Y.*, Mayall, H. J., Smith, T. J., & York, C. S. (2025). Learning effects, gender variances, and teacher dynamics in funds-of-knowledge-featured mobile-assisted writing for Latinx English learners. Special issue: Inclusive CALL and teacher dynamics: Revealing key contributions and challenges. *Computer-Assisted Language Learning Electronic Journal (CALL-EJ)*, 26(2), 173—197. <https://doi.org/10.54855/callej.252627>
- Trudeau, A.*, Xie, Y., Ketsman, O., York, C., & Goldsmith, S. (2024). The power of storyliving: A study of adolescent students' responses to cinematic virtual reality in a school library setting. *TechTrends*. 68, 999—1012. <https://doi.org/10.1007/s11528-024-00995-6>
- Alfageh, D., York, C. S., Hodge-Zickerman, A., & Xie, Y. (2024). Elementary teachers' use of adaptive diagnostic assessment to improve mathematics teaching and learning: A case study. *International Electronic Journal of Mathematics Education*, 19(1), em0768. <https://doi.org/10.29333/iejme/14190>
- Anderson, M. C., York, C. S., Hodge-Zickerman, A., Park, Y. S., & Rhode, J. (2024). Empowering medical educators: A UTAUT analysis of technology adoption in inquiry-based learning. *Technology, Knowledge and Learning*, 29, 1019—1049. <https://doi.org/10.1007/s10758-023-09709-y> [5-Year Impact Factor = 3.5]. <https://rdcu.be/du6wi>
- Chen, Y.*, Mayall, H. J., Smith, T. J., & York, C. S. (2023). Conceptualizing a mobile-assisted learning environment featuring funds of knowledge for English learners' narrative writing development. *Language Learning & Technology*, 27(1), 1—17. <https://www.lltjournal.org/item/10125-73543> [SSCI Indexed: 5-Year Impact Factor = 4.694; 10 out of 194 Linguistics Journals and 31st out of 267 Education and Educational Research Journals]

- Khasawneh, E., Hodge-Zickerman, A., **York, C. S.**, Smith, T. J., & Mayall, H. (2023). Examining the effect of inquiry-based learning versus traditional lecture-based learning on students' achievement in college algebra. *International Electronic Journal of Mathematics Education*, 18(1), 1—11.
<https://doi.org/10.29333/iejme/12715> <https://www.iejme.com/article/examining-the-effect-of-inquiry-based-learning-versus-traditional-lecture-based-learning-on-students-12715>
- Marghalani, A., & **York, C. S.** (2021). Online courses: Accessibility for low vision. *Distance Learning...for Educators, Trainers, and Leaders. An official publication of the United States Distance Learning Association*, 18(3), 1—13. *Note: This is the first article in the journal, thus the low page numbers.
- Hodge-Zickerman, A., Stade, E., **York, C. S.**, & Rech, J. (2020). TACTivities: Fostering creativity through tactile learning activities. *Journal of Humanistic Mathematics*, 10(2), 377—390.
<https://scholarship.claremont.edu/jhm/vol10/iss2/17/>
- Chen, Y.*, Smith, T. J., **York, C. S.**, & Mayall, H. J. (2020). Google Earth virtual reality and expository writing for young English learners from a Funds of Knowledge perspective. *Computer Assisted Language Learning*, 33(1-2), 1—24. <https://doi.org/10.1080/09588221.2018.1544151>
- Fabrikant, K., Bolton, C., **York, C. S.**, & Hodge, A. (2019). Using supports to improve teacher work sample portfolio (edTPA) outcomes. *GATEways to Teacher Education*, 29(2), 60—75.
- Chen, Y.*, Mayall, H. J., **York, C. S.**, & Smith, T. J. (2019). Parental perception and English learners' mobile-assisted language learning: An ethnographic case study from a technology-based Funds of Knowledge approach. *Learning, Culture and Social Interaction*, 22(2019). Impact factor 1.143.
- Tawfik, A., Gill, A., Hogan, M., **York, C. S.**, & Keen, C. W. (2019). How novices use expert case libraries for problem solving. *Technology, Knowledge & Learning*, 24(1), 23—41. <https://doi.org/10.1007/s10758-017-9324-1>
- Tawfik, A., Giabbanelli, P., Hogan, M., Msilu, F., Gill, A., & **York, C. S.** (2018). Effects of success v failure cases on learner-learner interaction. *Computers & Education*, 118(2018), 120—132.
- York, C. S.***, & Ertmer, P. A. (2016). Examining instructional design principles applied by experienced designers in practice. *Performance Improvement Quarterly*, 29(2), 169—192.
<https://doi.org/10.1002/piq.21220>
- York, C. S.**, Yamagata-Lynch, L., & Smaldino, S. E. (2016). Adult reflection in a graduate level online distance education course. *Reflective Practice*, 17(1), 40—58.
<https://doi.org/10.1080/14623943.2015.1123686>
- Banas, J. R.*, & **York, C. S.** (2014). Authentic learning exercises as a means to influence preservice teachers' technology integration self-efficacy and intentions to integrate technology. *Australasian Journal of Educational Technology*, 30(6), 728—746.
- Banas, J. R.*, & **York, C. S.** (2014). The impact of authentic learning exercises on pre-service teachers' motivational beliefs toward technology integration. *International Journal of Information and Communication Technology Education*, 10(3), 60—76.
- York, C. S.***, & Chinn, L. (2013). Using iPad video to mentor student teacher candidates. *School-University Partnerships: The Journal of the National Association for Professional Development Schools*, 6(2), 78—83.
- York, C. S.***, & Ertmer, P. A. (2013). Design heuristics in academic, corporate, and military instruction: More similar than different. *Educational Technology*, 53(4), 17—24.
- York, C. S.***, & Richardson, J. C. (2012). Interpersonal interaction in online learning: Experienced online instructors' perceptions of influencing factors. *Journal of Asynchronous Learning Networks*, 16(4), 83—98.
- York, C. S.***, & Ertmer, P. A. (2011). Towards an understanding of instructional design heuristics: An exploratory Delphi study. *Educational Technology Research and Development*, 59(6), 841—863.

Hodge, A. M.*, Richardson, J. C.*, & York, C. S.* (2009). The impact of a web-based homework tool in university algebra courses on student learning and strategies. *Journal of Online Learning and Teaching*, 5(4), 618—629. http://jolt.merlot.org/vol5no4/hodge_1209.pdf

Ertmer, P. A., York, C. S., & Gedik, N. (2009). Learning from the pros: How experienced designers translate ID models into practice. *Educational Technology*, 49(1), 19—26.

Ertmer, P. A.*, Stepich, D. A.*, York, C. S., Stickman, A., Wu, X., Zurek, S., & Goktas, Y. (2008). How instructional design experts use knowledge and experience to solve ill-structured problems. *Performance Improvement Quarterly*, 21(1), 17—42.

Dondera, R. *, Jia, C. *, Popescu, V. *, Nita-Rotaru, C., Dark, M., & York, C. S. (2008). Virtual classroom extension for effective distance education. Special issue of *IEEE Computer Graphics and Applications*, 28(1), 64—74.

York, C. S.*, Yang, D., & Dark, M. (2007). Transitioning from face-to-face to online instruction: How to increase presence and cognitive/social interaction in an online information security risk assessment class. *International Journal of Information and Communication Technology Education*, 3(2), 42—52.

Paper reprint: York, C. S.*, Yang, D., & Dark, M. (2009). Transitioning from face-to-face to online instruction: How to increase presence and cognitive/social interaction in an online information security risk assessment class. In J. Gutierrez (Ed.), *Selected readings on telecommunications and networking* (pp. 405—415). IGI Global.

Ertmer, P. A.*, Ottenbreit-Leftwich, A. T.*, & York, C. S.* (2006). Exemplary technology-using teachers: Perceptions of factors influencing success. *Journal of Computing in Teacher Education*, 23(2), 53—59.

NONREFEREED JOURNAL ARTICLES

West, R. E., York, C. S., Pastore, R., & Xu, M. (2010). Reflections from the first year of a successful AECT conference mentoring program. *TechTrends*, 54(2), 13—14.

York, C. S. (2009). Top ten reasons a graduate student should apply to be an ECT Foundation intern. *TechTrends*, 53(2), 15.

BOOK AUTHOR

York, C. S., Lowenthal, P. R., Herring, M., & Smaldino, S. E. (2023). *Planning for interactive distance education* (3rd ed.). EdTechBooks.org. https://edtechbooks.org/planning_for_interactive_distance_education

Leftwich, A. *, with Mong, C., York, C., Sadaf, A., & Newby, T. (2010). *TaskStream: Advancing educational excellence* (4th ed.). Pearson Education.

Leftwich, A. T. *, with York, C., Sadaf, A., & Newby, T. (2008). *TaskStream: Advancing educational excellence* (3rd ed.). Pearson Education.

Leftwich, A. *, with York, C. (2006). *Taskstream: The tools of engagement EDCI 270 manual* (2nd ed.). Pearson Education.

Leftwich, A. T. *, with York, C. (2005). *Taskstream: The tools of engagement EDCI 270 manual*. Pearson Education.

BOOK EDITOR

Lowenthal, P., York, C. S., & Richardson, J. C. (Eds.). (2014). *Online learning: Common misconceptions, benefits, and challenges*. Nova Science Publishers.

BOOK CHAPTERS

Esparza, A. N., Hodge-Zickerman, A., & York, C. S. (2026, in press). Navigating science misinformation: Building teacher and student media literacy. In T. Hinchman & S. Chatterjee (Eds.) *Innovate to illuminate: Rethinking elementary science instruction*. Association for the Advancement of Computing in Education.

- Hodge-Zickerman, A., & York, C. S. (2025). The evolution of assessing content knowledge in online mathematics courses. In J. P. Howard, II & J. F. Byers (Eds.), *Teaching and learning mathematics online* (2nd ed.) (pp. 195—217). Taylor & Francis.
- Hodge-Zickerman, A., & York, C. S. (2024). Humanizing mathematics in online learning environments. In L. Gray & S. Dunn (Eds.), *Incorporating the human element in online teaching and learning* (pp. 114—136). IGI Global. <https://www.igi-global.com/chapter/humanizing-mathematics-in-online-learning-environments/343011>
- Hodge-Zickerman, A.*, & York, C. S.* (2024). Embracing ChatGPT in the evolving landscape of mathematics teacher education and assessment. In M. Searson, E. Langran, & J. Trumble (Eds.). *Exploring new Horizons: Generative artificial intelligence and teacher education* (pp. 111—128). AACE.
- Hodge-Zickerman, A., & York, C. S. (2023). Embracing a technology-enhanced active learning mathematics classroom. In R. E. Ferdig, R. Hartshorne, E. Baumgartner, R. Kaplan-Rakowski, & C. Mouza (Eds.), *What preK-12 teachers should know about educational technology in 2023: A research-to-practice anthology* (pp. 153—158). AACE. <https://www.learntechlib.org/p/222690/>
- Hodge-Zickerman, A., York, C. S., & Lowenthal, P. (2021). Teaching mathematics education online: Instructional theories, strategies, and technologies. In K. Hollebrands, R. Anderson, & K. Oliver (Eds.), *Online Learning in Mathematics Education. Springer Series, Research in Mathematics Education* (pp. 1—20). *Note: This is the first chapter of the book, thus the low page numbers.
- Hodge-Zickerman, A., Stade, E., & York, C. S. (2021). TACTivities: A way to promote hands-on, minds-on learning in a virtual environment. In M. Niess & H. Gillow-Wiles (Eds.), *Handbook of Research on Transforming Teachers' Online Pedagogical Reasoning for Engaging K-12 Students in Virtual Learning* (pp. 278—296). IGI Global.
- Medley, R.*, Nolley, C., Labriola, T., Brown, Y., Polowy, M., Lloyd, V., York, C. S., & Yamagata-Lynch, L. (2020). Evolutional and technological influences in design: A longitudinal examination of the PRIDE design case. In E. Boling, M. J. Bishop, J. Elen, & V. Svihla (Eds.), *Handbook of research on educational communications and technology* (5th ed.) (pp. 799—818). AECT.
- Hodge, A., York, C. S., & Rech, J. (2019). University educators and disciplinary specialists working together to enhance community outreach and deepen K-12 teacher content knowledge. In J. Allen & R. Reiter-Palmon (Eds.), *The Cambridge handbook of organizational community engagement and outreach* (pp. 187—206). Cambridge University Press.
- Fabrikant, K. B., Bolton, C., York, C. S., & Hodge, A. (2018). The power of supports to improve edTPA outcomes. In J. E. Many & R. Bhatnagar (Eds.), *Implementing and analyzing performance assessment in teacher education* (pp. 105—120). Information Age Publishing.
- Banas, J. R.*, & York, C. S. (2016). Pre-service teachers' motivation to use technology and the impact of authentic learning exercises. In L. A. Tomei (Ed.), *Advances in information and communication technology education: Exploring the new era of technology-infused education* (pp. 121—140). IGI Global. ISBN: 978-1-5225-1709-2
- Dunlap, J. C., Bose, D., Lowenthal, P. R., York, C. S., Atkinson, M., & Murtagh, J. (2015). What sunshine is to flowers: A literature review on the use of emoticons to support online learning. In S. Y. Tettegah & M. Gartmeier (Eds.), *Emotions, technology, design, and learning* (pp. 163—283). Elsevier.
- Fabrikant, K. B., York, C. S., & Morris, M. E. (2015). Integrating technology into pedagogical content knowledge in K-12 and university professional development. In J. K. Holtz, S. B. Springer, & C. J. Boden-McGill (Eds.), *Building sustainable futures for adult learners* (pp. 541—558). Information Age Publishing.
- York, C. (2013). Cognitive apprenticeship. In R. C. Richey (Ed.), *Encyclopedia of terminology of educational communications and technology* (pp. 35—36). Springer.

- York, C. (2013). Cognitive learning theory. In R. C. Richey (Ed.), *Encyclopedia of terminology of educational communications and technology* (pp. 38—39). Springer.
- York, C. (2013). Cognitive strategies. In R. C. Richey (Ed.), *Encyclopedia of terminology of educational communications and technology* (pp. 41—42). Springer.
- York, C. S.*, & Fabrikant, K. B. (2011). High technology. In O. Wendt, R. W. Quist, & L. L. Lloyd (Eds.), *Assistive technology volume 4: Principles and applications for communication disorders and special education* (pp. 221—263). Emerald Publishing.
- Newby, T. J.*, & York, C. S.* (2007). Desktop publishing: MS Publisher: The basics of desktop publishing. In T. J. Newby, *Teaching and learning with Microsoft Office and FrontPage: Basic building blocks for computer integration*. Pearson Education.
- York, C. S. (2005). Desktop publishing: MS Publisher: The basics of desktop publishing. In T. J. Newby, *Teaching and learning with Microsoft Office and FrontPage: Basic building blocks for computer integration*. Pearson Education.
- York, C. S. (2005). Internet searching: The basics of a simple web search. In T. J. Newby, *Teaching and learning with Microsoft Office and FrontPage: Basic building blocks for computer integration*. Pearson Education.
- York, C. S.*, & Newby, T. J.* (2005). Data management: MS Access: The basics of collecting, organizing, and retrieving loads of information. In T. J. Newby, *Teaching and learning with Microsoft Office and FrontPage: Basic building blocks for computer integration, CD-ROM*. Pearson Education.
- Ottenbreit, A. T.*, with York, C. (2005). Taskstream. In T. J. Newby, *Teaching and learning with Microsoft Office and FrontPage: Basic building blocks for computer integration*. Pearson Education.

THESIS AND DISSERTATION PUBLICATION

- York, C. S. (2010). *Extracting heuristics from experienced instructional designers* (Doctoral dissertation). Purdue University, West Lafayette, Indiana.
- York, C. S.*, Boggess, J., & Shapland, M. (2000). *Transitioning from a small-scale (Microsoft Access) to an enterprise-scale (Oracle) relational database management system* (Unpublished thesis manuscript). Purdue University, West Lafayette, Indiana.

ARTICLES IN REFEREED CONFERENCE PROCEEDINGS

- Harrison, K.*, York, C., & Mayall, H. (2018). Increasing authentic participation in asynchronous online discussions: Tips for instructors and instructional designers. In *Proceedings of E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education* (pp. 952—962). Las Vegas, NV, United States: Association for the Advancement of Computing in Education (AACE).
- York, C. S.*, & Ertmer, P. A. (2010, October). Examining instructional design principles applied by experienced designers in practice. *Proceedings of the Association for Educational Communications and Technology*, Anaheim, CA.
- York, C. S.*, Ertmer, P. A., & Gedik, N. (2009, October). Instructional design heuristics (rules of thumb). *Proceedings of the Association for Educational Communications and Technology*, Louisville, KY.
- York, C. S.*, Hodge, A. M.*, & Richardson, J. C.* (2008). Web-based homework in university algebra courses: student perceptions of learning and motivation to learn. *Proceedings of the Society for Information Technology and Teacher Education International Conference*, Las Vegas, Nevada. (pp. 4618—4624).
- Dark, M.*, York, C. S.*, Popescu, V., & Nita-Rotaru, C. (2007, October). Evaluating interactivity and presence in a new online distance learning system. *Proceedings of the Frontiers in Education*, Milwaukee, WI.
- York, C. S.*, Ottenbreit-Leftwich, A. T.*, & Ertmer, P. A.* (2005, October). Exemplary technology use:

Teachers' perceptions of critical factors. *Proceedings of the Association for Educational Communications and Technology*, Orlando, FL.

Ottenbreit-Leftwich, A. T.*, **York, C. S.***, Richardson, J. C., & Newby, T. J. (2005, October). Pre-service teachers: Development of perceptions and skills pertaining to technology integration. *Proceedings of the Association for Educational Communications and Technology*, Orlando, FL.

York, C. S.*, Ottenbreit-Leftwich, A. T.*, Richardson, J. C., & Newby, T. J. (2005, March). Exploring options for delivery in a large technology integration lecture course for pre-service teachers. *Proceedings of the Society for Information Technology and Teacher Education*, Phoenix, AZ.

MANUSCRIPTS IN PREPARATION

York, C. S., Dzurainin, A., & Richter, S. (2026, major revisions requested). Developing an AI literacy framework: An interdisciplinary approach at NIU. Submitted to *Educational Point Journal*.

York, C. S., Hodge-Zickerman, A., & Bondurant, L. (2025, in review). Exploring university mathematics instructors' knowledge and utilization of GenAI in the classroom. *International Journal of Research in Undergraduate Mathematics Education (IJRUME) Special Issue*.

York, C. S., Hodge-Zickerman, A., Bondurant, L., Banas, J. R., & Stade, E. (2025, in review). The exploration of TACTivities for teachers and students in mathematics education. Submitted to *Investigations in Mathematics Learning*.

Hodge-Zickerman, A.*, & **York, C. S.*** (2025, in review). Developing TACTivities: A lesson in creativity. In Creativity Research Group (Eds.). *From seeds to STEMs – A guide to nurture mathematical creativity from theoretical perspectives to instructional practices*. (To be published in Summer 2026.)

Palese, B., Gordon, R., Guzman, A., **York, C. S.**, Freedman, R., Liu, Y., Gunkel, D. (2026, in review). Artificial intelligence and career futures: What do students think? Submitted to *Australasian Journal of Educational Technology*.

Guzman, A., **York, C. S.**, Freedman, R., Gordon, R., Liu, Y., Palese, B., Gunkel, D. (2026, writing). NIU student perceptions of artificial intelligence: An institutional report. (Working title).

CONFERENCE PRESENTATIONS

INTERNATIONAL AND NATIONAL CONFERENCE PRESENTATIONS

York, C. S., Hodge-Zickerman, A., & Bondurant, L. (2026, November 3-7; submitted). Bridging the gap: From GenAI competence to ethical pedagogical integration in higher education. *Association for Educational Communications and Technology*. Chicago, IL.

Richter, S., **York, C. S.**, & Dzurainin, A. (2025, November 13). *Developing and implementing an AI literacy framework*. Presented at the Digital Teaching Symposium [online].

York, C. S. (2025, October 13-15). *Empowering educators: Leveraging AI for course design*. Presented at the 87th Annual Association for Continuing Higher Education (ACHE) Conference. Milwaukee, WI.

York, C. S., & Alshuredah, O. (2025, March 17-19). *AI as a study buddy: Preparing students for ethical and effective use*. Presented at the 2025 Association for Continuing Higher Education (ACHE) South Conference. Chattanooga, TN.

York, C. S.*, & Hodge-Zickerman, A.* (2025, March 6-8). *From mundane to meaningful: Revitalizing online discussions* [Online conference presentation]. Presented at ICTCM2025 – 37th International Conference on Technology in Collegiate Mathematics.

Hodge-Zickerman, A.*, & **York, C. S.*** (2025, March 7). *Chatbots create the solutions; Students create the reflections: A collaborative approach to mathematics learning* [Online conference presentation]. Presented at Innovative Educators Summit, 2025.

Bondurant, L., **York, C. S.**, Hodge-Zickerman, A., & Stade, E. (2024, August 7-9). *Secondary mathematics teacher candidates' perceptions of a statistics TACTivity designed to support equitable teaching practices*. Presented at the Mathematical Association of American MathFest Conference, Indianapolis, IN.

York, C. S., Hodge-Zickerman, A., Stade, E., & Bondurant, L. (2024, August 7-9). *TACTivities explored: Understanding instructor and student perspectives in mathematics education*. Presented at the Mathematical Association of America MathFest Conference, Indianapolis, IN.

Hodge-Zickerman, A., & **York, C. S.** (2024, August 7-9). *Notable numbers, noteworthy lessons*. Presented at the Mathematical Association of America MathFest Conference, Indianapolis, IN.

Bondurant, L., Hodge-Zickerman, A., **York, C. S.** (2024, August 1-2). *Promoting equitable teaching practices through TACTivities: A case in teaching statistics*. Presented at the Civics of Technology Online Conference.

Hodge-Zickerman, A., **York, C. S.**, & Despeaux, S. (2024, July). *Building a Noyce community through Math Teachers' Circles*. 2024 Noyce Summit, Washington, D.C.

Searson, M., Langran, L., Trumble, J., Cun, A., Huang, T., Klemke, R., Radwan, A., McGinty, J., Hodge-Zickerman, A., **York, C. S.**, Decarlo, M. J. T., Klein, V., Gross, E., Wake, D., & White, M. (2024, March 25-29). *Exploring new horizons: Generative artificial intelligence and teacher education*. [Virtual Panel]. Presented at the Society for Information Technology & Teacher Education (SITE) Conference, Las Vegas, NV.

York, C. S., Hodge-Zickerman, A., & Lowenthal, P. (2024, March 25-29). *Teaching mathematics education online: Instructional theories, strategies, and technologies*. [Online presentation]. Presented at the Society for Information Technology & Teacher Education (SITE) Conference, Las Vegas, NV.

Hodge-Zickerman, A.* & **York, C. S.*** (2024, March 7-9). *Unlocking learning potential: Rethinking take-home mathematics assessments in the age of ChatGPT*. [Online presentation]. Presented at ICTCM2024 – 36th International Conference on Technology in Collegiate Mathematics.
<https://web.cvent.com/hub/events/a5d7c077-26d6-4318-8553-0ad62eafadc8/sessions/4234f6fa-1b8f-4cca-a72f-0bf4cef61b22>

Boschmans, B., Beaudrie, B., Hodge-Zickerman, A., Miller, M., & **York, C. S.** (2024, March 7-9). *AI project for preservice teachers*. Presented at ICTCM2024 – 36th International Conference on Technology in Collegiate Mathematics. *Note: for this presentation, I was an author only.

Hodge-Zickerman, A.* & **York, C. S.*** (2024, March 1). *ChatGPT and assessment: The pros and cons in enhancing mathematics education*. [Online conference presentation]. Presented at the Innovative Educators Summit, 2024.

York, C. S., Hodge-Zickerman, A., Mong, C., & Howard, J. (2023, November 6-8). *Embracing the AI revolution: Collaborating with artificial intelligence in instructional design*. Presented at Critical Questions in Education Symposium, Chicago, IL.

Hodge-Zickerman, A.* & **York, C. S.***, with Anderson, M. C. (2023, October 15-19). *A mathematically derived perspective of inquiry-based learning usable for all subject areas*. [Online Presentation]. Presented at the Association for Educational Communications and Technology Conference, Orlando, FL.

York, C. S., & Hodge-Zickerman, A. (2023, August 7-9). *Unleashing the potential of human-AI partnership: Insights from designing instructional material with ChatGPT*. Presented at the Society for Information Technology and Teacher Education Interactive. Online.

York, C. S.*, & Hodge-Zickerman, A.* (2023, August 2-5). *Researching mathematics TACTivities*. Presented at the Mathematical Association of America MathFest, Tampa, FL.

Hodge-Zickerman, A.* & York, C. S.* (2023, August 2-5). *Community and the right amount of help: Fostering success in a graduate abstract algebra course for teachers*. Presented at the Mathematical Association of America MathFest, Tampa, FL.

Chen, Y.* , Mayall, H. J., Smith, T. J., & York, C. S. (2023, April 13-16). *Effects of a mobile-assisted learning environment featuring funds-of-knowledge on English learners' narrative writing development*. Paper presented at the 2023 Annual Meeting of the American Educational Research Association, Chicago, IL. *Note: for this presentation, I was an author only.

Hodge-Zickerman, A.* , York, C. S.* , & McInnis, M. (2023, March 16). *Spicing up online discussion boards in mathematics*. [Online conference presentation]. Innovative Educators Summit 2023.

York, C. S., & Hodge-Zickerman, A. (2022, April 11-13). *Technology integration in active learning mathematics classrooms: Faculty perceptions and challenges*. [Paper presentation]. Society for Information Technology and Teacher Education Conference, San Diego, CA.

Hodge-Zickerman, A., & York, C. S. (2022, April 11-13). *Integrating technology into the mathematics classroom to engage learners*. [Conference presentation]. Society for Information Technology and Teacher Education Conference, San Diego, CA. *Speaker listing is in alphabetical order, joint effort.

Hodge-Zickerman, A., & York, C. S. (2022, March 25). *Using tactile activities, technology, and current events to engage mathematics learners*. [Online presentation]. ICTCM22 – 34th International Conference on Technology in Collegiate Mathematics, Online. *Speaker listing is in alphabetical order, joint effort.

Hodge-Zickerman, A., Stade, E., & York, C. S. (2021, November 18). *TACTivities as a way to engage learners in the mathematics classroom*. [Online presentation]. National Council of Teachers of Mathematics Conference. *Speaker listing is in alphabetical order, joint effort.

Alfageh, D.* , & York, C. S. (November 3, 2021). *A case study: Examining teachers' perceptions regarding the use of diagnostic assessment in mathematics classroom*. [Concurrent online presentation]. Association for Educational Communications and Technology Conference, Online. *Note: for this presentation, I was an author only.

Hodge-Zickerman, A., Stade, E., & York, C. S. (2021, August 5). *Using virtual TACTivities to model active learning*. [Online presentation]. Mathematical Association of America - MathFest, Online. *Note: for this presentation, I was an author only.

Hodge-Zickerman, A.* , & York, C. S.* (2021, May 5-6). *Technology and active learning*. [Online presentation]. 14th International Conference on e-Learning and Innovative Pedagogies, Online, Rhodes, Greece. <https://youtu.be/8v2iXSdb9D8> *Speaker listing is in alphabetical order, joint effort.

Anderson, M. C.* , York, C. S., Park, Y-S., & Rhode, J. (2020, November 3-7). *Assessing faculty behavioral intention to use educational technology in inquiry-based learning activities* [Concurrent presentation]. Association for Educational Communications and Technology Conference, Online. <https://www.youtube.com/watch?v=lxxnSTBAsUc&t=3s> *Note: for this presentation, I was an author only.

Marghalani, A. F.* , & York, C. S. (2020, November 3-7). *Online course accessibility for low-vision*. [Concurrent presentation]. Association for Educational Communications and Technology Conference, Online. *Note: for this presentation, I was an author only.

Hodge-Zickerman, A., & York, C. S. (2020, October 31). *Active learning in a remote environment* [Conference session]. Redesigning Education for Learning through Evidence and Collaborative Teaching (REFLECT T1) Symposium, Portland, OR. (Online virtual presentations, <https://sites.up.edu/reflect/events>)

York, C. S., & Hodge-Zickerman, A. (2020, June 28-30). *Navigating the tides of technology in a mathematics classroom* [Conference session]. Ninth Mathematics Teacher Education Partnership Conference, Scottsdale, AZ. (Conference moved to virtual presentations, <http://mtep.info/2020overview>)

Hodge-Zickerman, A., & York, C. S. (2020, June 28-30). *Active learning in online environments*

[Conference session]. Ninth Mathematics Teacher Education Partnership Conference, Scottsdale, AZ. (Conference moved to virtual presentations, <http://mtep.info/2020overview>)

Hodge-Zickerman, A., & York, C. S. (2020, April 23-24). *Using technology to enhance the mathematics classroom* [Paper presentation]. E-Learning & Innovative Pedagogies Conference, University of Rhodes, Rhodes, Greece. (Conference canceled)

Banas, J., York, C. S., & Udoh, I. (2020, April 23-24). *Lessons from a transnational learning experience: U.S. and Liberian students reading about and discussing health disparities* [Conference session]. Presentation at the annual E-Learning & Innovative Pedagogies Conference, University of Rhodes, Rhodes, Greece. (Conference canceled)

Strycker, J., Dousay, T. A., Martindale, T., Mims, C., West, R., & York, C. S. (2019, October 21-25). *Innovative and experimental pedagogical spaces part 1: Physical spaces* [Panel presentation]. Association for Educational Communications and Technology International Conference, Las Vegas, NV. *Speaker listing is in alphabetical order after the panel organizer

Harrison, K. M.*, Mayall, H. J., & York, C. S. (2019, April 5-9). *A case study of facework within asynchronous online discussions: Lessons from a student's perspective* [Paper presentation]. American Educational Research Association International Conference, Toronto, Canada.

Fabrikant, K. B.*, York, C. S.*, & Hodge A. M. (2019, March 4-6). *The importance of engaging Millennials in the university classroom and Gen Zs in the K12 classroom: Strategies of communication and engagement at both levels* [Conference session]. Critical Questions in Education Conference, Savannah, GA.

Campbell, C., Johnson, L. R., Mayall, H. J., & York, C. S. (2018, November 10). *The trends of educational research and assessment* [Panel presentation]. International Conference on Education, Tainan, Taiwan.

York, C. S., Mayall, H. J., & Smaldino, S. E. (2018, November 16). *Structure vs pedagogy; Increasing learning and achievement* [Paper presentation]. Taiwan Education Research Association Conference, Kaohsiung, Taiwan.

Harrison, K. M.*, York, C. S., & Mayall, H. J. (2018, October 15-18). *Increasing authentic participation in asynchronous online discussions: Tips for instructors and instructional designers* [Paper presentation]. E-Learn 2018 – World Conference on E-Learning, Las Vegas, NV. *Note: for this presentation, I was an author only.

York, C. S., Mayall, H. J., & Smaldino, S. E. (2018, October 23-27). *Course design: Reflection on structure as it relates to learning and achievement* [Paper presentation]. Association for Educational Communications and Technology International Conference, Kansas City, MO.

Tawfik, A., Hogan, M., Msilu, F., Gill, A., & York, C. S. (2018, April 13-17). *Effects of success v failure-based design of cases on learner-learner interaction* [Paper presentation]. American Educational Research Association International Conference, New York City, NY. *Note: for this presentation, I was an author only.

Chen, Y.*, Mayall, H. J., & York, C. S. (2018, April 13-17). *Examining parental perception and English language learners' mobile-assisted language learning from a multicultural perspective* [Paper presentation]. American Educational Research Association International Conference, New York City, NY. *Note: for this presentation, I was an author only.

Chen, Y.*, Mayall, H. J., York, C. S., & Smith, T. J. (2018, April 13-17). *Google Earth virtual reality-assisted expository writing for iPanchitos from the Funds of Knowledge approach* [Paper presentation]. American Educational Research Association International Conference, New York City, NY. *Note: for this presentation, I was an author only.

Chen, Y.*, Mayall, H. J., York, C. S., & Smith, T. J. (2018, April 13-17). *Mobile-assisted Funds of Knowledge (FoK)-featured writing instructional design for iPanchitos via Google Apps for Education*

[Paper presentation]. American Educational Research Association International Conference, New York City, NY. *Note: for this presentation, I was an author only.

Tawfik, A., Gill, A., Hogan, M., & **York, C. S.** (2017, November 7-11). *How novices use expert case libraries for problem solving* [Paper presentation]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.

Harrison, K. M.*, Mayall, H. J., & **York, C. S.** (2017, November 7-11). *Learning through listening to students: Social identity in asynchronous online discussions* [Paper presentation]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.

Chen, Y.*, Mayall, H. J., **York, C. S.**, & Xie, Y. (2017, November 7-11). *Augmenting young English learners' multiliteracies pedagogy through technological Funds of Knowledge: An ethnographic case study* [Paper presentation]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.

Kershishnik, E.*, Mayall, H. J., & **York, C. S.** (2017, October 17-20). *Examining collaboration and critical thinking in an online chemistry environment* [Paper presentation]. E-Learn 2017 – World Conference on E-Learning, Vancouver, British Columbia, Canada.

Chen, Y.*, Mayall, H. J., & **York, C. S.** (2017, October 17-20). *Examining technology based Funds of Knowledge (FoK) in curriculum design for English language learners* [Paper presentation]. E-Learn 2017 – World Conference on E-Learning, Vancouver, British Columbia, Canada.

Chen, Y.*, Mayall, H. J., & **York, C. S.**, & Xie, Y. (2017, April 27-May 1). *A Funds of Knowledge approach for scaffolding a culture-based narrative writing curriculum for iPanchitos* [Paper presentation]. American Educational Research Association International Conference, San Antonio, TX. *Note: for this presentation, I was an author only.

Chen, Y.*, Mayall, H. J., **York, C. S.**, & Xie, Y. (2017, April 27-May 1). *Contributing to young Mexican-American English learners' multiliteracy education through technological Funds of Knowledge* [Paper presentation]. American Educational Research Association International Conference, San Antonio, TX. *Note: for this presentation, I was an author only.

Chen, Y.*, Mayall, H. J., **York, C. S.**, Xie, Y., & Smith, T. J. (2017, April 27-May 1). *Cloud-based narrative writing practice for young English learners from a Funds of Knowledge approach* [Paper presentation]. American Educational Research Association International Conference, San Antonio, TX. *Note: for this presentation, I was an author only.

York, C. S., Hodge, A. M., Mayall, H. J., & Sointu, E. (2017, March 5-9). *Faculty competencies and challenges when integrating technology in mathematics classrooms* [Paper presentation]. Society for Information Technology and Teacher Education International Conference, Austin, TX.

Hodge, A. M.*, & **York, C. S.*** (2017, March 5-9). *Teaching mathematics using inquiry-based learning while integrating technology* [Paper presentation]. Society for Information Technology and Teacher Education International Conference, Austin, TX. *Speaker listing is in alphabetical order, joint effort.

Harrison, K.*, Mayall, H. J., & **York, C. S.** (2016, November 16-18). *"I want to say my opinion, but...": Students' experiences of social presence in asynchronous online discussions* [Paper presentation]. Online Learning Consortium International Conference, Orlando, FL. *Note: for this presentation, I was an author only.

Bokhari, H.*, & **York, C. S.** (2016, October 17-21). *Perceptions of female Saudi university students regarding the use of asynchronous online discussion boards* [Paper presentation]. Association for Educational Communications and Technology International Conference, Las Vegas, NV.

York, C. S., Yamagata-Lynch, L., & Smaldino, S. E. (2016, October 17-21). *Adult reflection in a graduate level online distance education course* [Paper presentation]. Association for Educational Communications and Technology International Conference, Las Vegas, NV.

- York, C. S.*, Dousay, T. A., & Sinde, M. (2016, August 30- September 1). *Preparing teachers to use makerspaces* [Conference session]. International Symposium of New Issues in Teacher Education, Savonlinna, Finland.
- Hodge, A. M.*, York, C. S.*, & Mayall, H. J. (2016, August 30- September 1). *Technology integration in mathematics classrooms: Faculty competencies and challenges* [Paper presentation]. International Symposium of New Issues in Teacher Education, Savonlinna, Finland.
- Gravel, R. J.*, Mayall, H. J., & York, C. S. (2016, March 21-25). *In-service teachers' participation in a professional development program aligned with the TPACK framework* [Paper presentation]. Society for Information Technology and Teacher Education Conference, Savannah, GA.
- York, C. S., Lowenthal, P. R., Mayall, H. J., & Fabrikant, K. B. (2016, March 21-25). *Student perceptions of one-to-one iPad use in grades 2-4* [Paper presentation]. Society for Information Technology and Teacher Education Conference, Savannah, GA.
- York, C. S., Herring, M., & Smaldino, S. (2016, March 21-25). *Providing online learners with a template for instructional design* [Conference session]. Society for Information Technology and Teacher Education Conference, Savannah, GA.
- Cullen, T., Strycker, J., York, C. S., Shen, Y., & Hur, J. W. (2015, November 3-7). *IPads in teacher education: A panel discussion* [Panel presentation]. Association for Educational Communications and Technology International Conference, Indianapolis, IN.
- Harrison, K. M.*, Mayall, H. J., & York, C. S. (2015, November 3-7). *Preliminary findings regarding impression management and social presence within asynchronous online discussions* [Paper presentation]. Association for Educational Communications and Technology International Conference, Indianapolis, IN.
- Carlson, C.*, Mayall, H. J., & York, C. S. (2015, November 3-7). *The implementation of a hybrid learning environment at a community college in the mechanical trades* [Paper presentation]. Association for Educational Communications and Technology International Conference, Indianapolis, IN.
- York, C. S.*, & Hodge, A. M. (2015, June 25-27). *Integrating Technology into an Inquiry-Based Learning Mathematics Classroom* [Conference session]. 18th Annual Legacy of R.L. Moore — IBL Conference, Austin, TX.
- Dunlap, J. C., Bose, D., Lowenthal, P. R., York, C. S., Atkinson, M., & Murtagh, J. (2015, April 16-20). *A literature review on the use of emoticons to support online learning* [Poster presentation]. American Educational Research Association International Conference, Chicago, IL.
- Banas, J. R., & York, C. S. (2014, November 4-8). *Can a methods course make a difference? Preservice teachers, the NETS*T, and 21st century skills* [Conference session]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.
- Fabrikant, K. B., York, C. S., Morris, M. E. (2014, November 4-8). *Integrating technology into pedagogical content knowledge in K12 and university professional development* [Conference session]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.
- Miller, C. T., York, C. S., & Dousay, T. (2014, November 4-8). *Thirty-five years of leadership: A study on the impact of the Strohbehn and Cochran internships* [Conference session]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.
- Kowch, E., Martindale, T. Bishop, M. J., York, C. S. (2014, November 4-8). *Imagining a Renewed AECT Annual Conference Designs with Members* [Panel presentation]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.
- Gravel, R. J.*, Mayall, H. J., & York, C. S. (2014, November 4-8). *Effects of PK-12 teacher' participation in a professional development program aligned with the TPACK framework* [Paper presentation]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.

- York, C. S.** (2014, June 19-21). *Utilizing Web 2.0 technology tools for inquiry-based learning* [Conference session]. 17th Annual Legacy of R.L. Moore - IBL Conference, Denver, CO.
- Geronimo, J., & **York, C. S.** (2014, April 22-24). *Exploring a graduate-level mobile technologies course* [Conference session]. Teaching Colleges and Community Worldwide Online Conference, Hawaii. *Note: for this presentation, I was an author only.
- York, C. S.***, Banas, J. R. (2013, October 30 – November 2). *Speech language pathologists' iPad use in PK-12 classrooms and desired professional development* [Paper presentation]. Association for Educational Communications and Technology International Conference, Anaheim, CA.
- Geronimo, J., & **York, C. S.** (2013, October 30 – November 2). *Exploring a graduate-level mobile technologies course* [Conference session]. Association for Educational Communications and Technology International Conference, Anaheim, CA.
- York, C. S.**, Chinn, L., Mayall, H. J., & Banas, J. R. (2013, October 30 – November 2). *Pre-service teacher perceptions of meeting NETS*T standards after working in a third grade iPad classroom* [Paper presentation]. Association for Educational Communications and Technology International Conference, Anaheim, CA.
- Mayall, H. J., **York, C. S.**, & Fabrikant, K. (2013, October 30 – November 2). *Examining student perceptions of one-to-one iPad use in the lower grades* [Paper presentation]. Association for Educational Communications and Technology International Conference, Anaheim, CA.
- York, C. S.***, & Ertmer, P. A. (2013, April 27 – May 1). *Military instructional design heuristics* [Paper presentation]. American Educational Research Association International Conference, San Francisco, CA.
- Chaing, J.-L.* & **York, C. S.** (2013, April 27 – May 1). *Visual literacy in foreign language teaching and learning: A study of Chinese language teachers' perceptions* [Paper presentation]. American Educational Research Association International Conference, San Francisco, CA.
- York, C. S.**, Chinn, L., & Unger, C. (2013, February 13-14). *Pre-service teacher perceptions of one-to-one iPad integration capabilities* [Paper presentation]. Professional Development Schools National Conference, New Orleans, LA.
- Grant, M., Barbour, M. K., Hsu, Y.-C., Martin, F., & **York, C. S.** (2012, October 30 – November 3). *Mobile computing devices and applications for teaching and learning* [Panel presentation]. Association for Educational Communications and Technology International Conference, Louisville, KY.
- York, C. S.***, Mayall, H. J.*, Chiang, J.-L.*, Click, A., & Underwood, J. M. (2012, October 30 – November 3). *An examination of the design process of a literacy game* [Conference session]. Association for Educational Communications and Technology International Conference, Louisville, KY.
- York, C. S.**, Chinn, L., Roggemann, D., & Smaldino, S. E. (2012, March 9-10). *iPad integration in a PDS* [Conference session]. Professional Development Schools National Conference, Las Vegas, NV.
- York, C. S.***, & Richardson, J. C. (2012, January). *Online learning interaction: Perceptions of experienced online instructors* [Paper presentation]. Hawaii International Conference on Education, Honolulu, HI.
- York, C. S.** (2012, January). *School-wide iPad implementation: A case study* [Paper presentation]. Hawaii International Conference on Education, Honolulu, HI.
- Stumpf, D. S., & **York, C. S.** (2011, November 8-12). *Faculty development and a mobile technology mediated learning environment (MTMLE)* [Paper presentation]. Association for Educational Communications and Technology International Conference, Jacksonville, FL.
- York, C. S.***, & Ertmer, P. A. (2011, April). *Instructional design heuristics* [Paper presentation]. American Educational Research Association International Conference, New Orleans, LA.

- York, C. S.***, & Ertmer, P. A. (2010, October 26-30). *Examining instructional design heuristics applied by experienced designers in practice* [Paper presentation]. Association for Educational Communications and Technology International Conference, Anaheim, CA.
- York, C. S.***, & Richardson, J. C. (2010, April 30-May 4). *Interpersonal interaction in online learning: Experienced online instructors' perceptions of influencing factors* [Paper presentation]. American Educational Research Association International Conference, Denver, CO.
- York, C. S.***, Ertmer, P. A., & Gedik, N. (2009, October 27-21). *Instructional design heuristics (rules of thumb)* [Paper presentation]. Association for Educational Communications and Technology International Conference, Louisville, KY.
- Hodge, A. M.*, **York, C. S.***, & Richardson, J. C.* (2009, April 13-17). *Using a web-based homework tool in college algebra courses: Impact on students' motivation and perceived learning* [Paper presentation]. American Educational Research Association International Conference, San Diego, CA.
- York, C. S.***, Ertmer, P. A., & Gedik, N. (2009, April 13-17). *Extracting heuristics from expert instructional designers* [Paper presentation]. American Educational Research Association International Conference, San Diego, CA.
- York, C. S.***, Hodge, A. M.*, & Richardson, J. C.* (2008, March 24-28). *Web-based homework in university algebra courses: Student perceptions of learning and motivation to learn* [Paper presentation]. American Educational Research Association International Conference, New York, NY.
- Dark, M.*, **York, C. S.***, Yang, D.*, Popescu, V., & Nita-Rotaru, C. (2008, March 24-28). *A pilot study on the design effectiveness of a new distance learning system* [Paper presentation]. American Educational Research Association International Conference, New York, NY.
- York, C. S.***, Hodge, A. M.*, & Richardson, J. C.* (2008, March). *A pilot study: Web-based homework in university algebra courses: Student perceptions of learning and motivation to learn* [Paper presentation]. Society for Information Technology & Teacher Education International Conference, Las Vegas, Nevada.
- Dark, M.*, **York, C. S.***, Popescu, V., & Nita-Rotaru, C. (2007, October). *Evaluating interactivity and presence in a new online distance learning system* [Paper presentation]. Frontiers in Education International Conference, Milwaukee, WI.
- Ertmer, P. A.*, Stepich, D. A.*, Stickman, E. A., Wu, L., **York, C. S.**, Zurek, S., & Goktas, Y. (2007, October 23-27). *How ID experts use knowledge and experience to solve ill-defined problems* [Paper presentation- special research presentation]. Association for Educational Communications and Technology International Conference, Anaheim, CA.
- Hodge, A.*, **York, C. S.***, Richardson, J. C.* (2007, October 25-28). *Online homework in university algebra courses: Perceptions of student learning and motivation* [Paper presentation]. North American Chapter of Psychology of Mathematics Education International Conference, Reno, Nevada.
- Ertmer, P. A.*, Stepich, D. A.*, Stickman, E. A., Wu, L., **York, C. S.**, Zurek, S., & Goktas, Y. (2007, April 9-13). *The role of knowledge and experience in expert problem solving* [Paper presentation]. American Educational Research Association International Conference, Chicago, IL.
- York, C. S.***, Ottenbreit-Leftwich, A. T.*, & Ertmer, P. A.* (2005, October 15-18). *Exemplary technology use: Teachers' perceptions of critical factors* [Paper presentation]. Association for Educational Communications and Technology International Conference, Orlando, FL.
- Ottenbreit-Leftwich, A. T.*, **York, C. S.***, Richardson, J. C., & Newby, T. J. (2005, October 15-18). *Pre-service teachers: Development of perceptions and skills pertaining to technology integration* [Paper presentation]. Association for Educational Communications and Technology International Conference, Orlando, FL.
- Ertmer, P. A.*, Simons, K. D.*, Aagard, H. P., Park, S. H., & **York, C. S.** (2005, October 15-18). *Transition to PBL: Multiple perspectives on the benefits and challenges of adopting a problem-based learning*

approach [Paper presentation]. Association for Educational Communications and Technology International Conference, Orlando, FL.

York, C. S.*, Ottenbreit-Leftwich, A. T.*, Richardson, J. C., & Newby, T. J. (2005, March). *Exploring options for delivery in a large technology integration lecture course for pre-service teachers* [Paper presentation]. Society for Information Technology & Teacher Education International Conference, Phoenix, AZ.

REGIONAL AND LOCAL CONFERENCE PRESENTATIONS

Hodge-Zickerman, A.*, & **York, C. S.*** (2026, March 27). *AI at the Whiteboard: Everyday Teaching Strategies for Mathematics Classes* [Online conference presentation]. Presented at the Spring 2026 ArizMATYC / MAA Southwestern Section Joint Conference. *Speaker listing is in alphabetical order, joint effort.

Hodge-Zickerman, A.*, & **York, C. S.*** (2026, February 10). From policing to pedagogy: Moving past AI detectors. Presented at Northern Arizona University 2026 Tech Summit. [Online]. *Speaker listing is in alphabetical order, joint effort.

Hodge-Zickerman, A.*, & **York, C. S.*** (2025, October 3). *Mathematical integrity in the AI era: Moving beyond punitive detection to pedagogical innovation*. Fall 2025 ArizMATYC Conference, Phoenix AZ. [Online]. *Speaker listing is in alphabetical order, joint effort.

Hodge-Zickerman, A., & **York, C. S.** (2025, June 25). *Mathematical mayhem in the tax office*. Invited Math Teachers' Circle session at Western Carolina University, Ocracoke, NC.

Hodge-Zickerman, A., & **York, C. S.** (2025, June 24). *Parallel parking and perpendicular thinking*. Invited Math Teachers' Circle session at Western Carolina University, Ocracoke, NC.

Hodge-Zickerman, A., & **York, C. S.** (2025, June 23). *Fish flip: Turning tides*. Invited Math Teachers' Circle session at Western Carolina University, Ocracoke, NC.

Hodge-Zickerman, A.*, & **York, C. S.*** (2025, April 22). *AI said what? Teaching students to reflect on GenAI in mathematics learning*. Invited presentation at Teaching Math with GenAI Tuesday Discussions. [Online]. *Speaker listing is in alphabetical order, a joint effort.

Hodge-Zickerman, A.*, & **York, C. S.*** (2025, January 8). Plenary closing session: *Reimagining Learning with AI: Using ChatGPT to Deepen Understanding in STEM* [Online Presentation]. 2025 Massachusetts PKAL Regional Network Meeting: AI as a tool in STEM education: Challenges and opportunities. *Speaker listing is in alphabetical order, joint effort.

York, C. S., Hodge-Zickerman, A., Banas, J. R., & Stade, E. (2024, October 26). *Understanding instructor and student perspectives of TACTivities in mathematics education*. Presentation at the 8th Northeastern Research in Undergraduate Mathematics (NE-RUME) Conference, Boston, MA.

Hodge-Zickerman, A., & **York, C. S.** (2024, July 9-11). *Ultimate Tic Tac Toe*. Invited Math Teachers' Circle session at Western Carolina University, Cullowhee, NC.

Hodge-Zickerman, A., & **York, C. S.** (2024, July 9-11). *The Dice Game*. Invited Math Teachers' Circle session at Western Carolina University, Cullowhee, NC.

Hodge-Zickerman, A., & **York, C. S.** (2024, July 9-11). *The Dollar Game*. Invited Math Teachers' Circle session at Western Carolina University, Cullowhee, NC.

Hodge-Zickerman, A.*, & **York, C. S.*** (2023, November 18). *Meet your new collaborator: ChatGPT*. [Online Presentation]. Arizona Women's Symposium in Mathematics (AWSiM) 2023, Flagstaff, AZ. *Speaker listing is in alphabetical order, joint effort.

Hodge-Zickerman, A., **York, C. S.**, & Boschmans, B. (2023, November 14). *AI in academia: Collaborative tool or academic shortcut? Navigating the new frontier in mathematical education and research*. [Online Presentation]. Mathematics and Statistics Colloquium, Northern Arizona University, Flagstaff, AZ.

Hodge-Zickerman, A., & **York, C. S.** (2023, July 14). *Notable numbers*. Invited Math Teachers' Circle session at Western Carolina University, Cullowhee, NC.

York, C. S.*, & Hodge-Zickerman, A.* (2023, April 19). *Mathematics in motion: Discovering the fun in learning*. Mathematics and Computer Science Colloquium, Western Carolina University, Cullowhee, NC.

York, C. S.*, & Hodge-Zickerman, A.* (2023, April 7). *Unlocking learning potential: Exploring the Power of Mathematics TACTivities*. Spring 2023 ArizMATYC Conference, Flagstaff, AZ.

York, C. S., & Hodge-Zickerman, A. (2023, March 31). *Using tactile activities in STEM teaching*. [Online Presentation]. 2023 North Carolina PKAL Regional Network Spring Meeting: Pathways Not Gateways: Reimagining STEM Courses to Promote Inclusion, STEM Literacy, and Student Success.

Hodge-Zickerman, A., & **York, C. S.** (2022, October 29). *How do we teach STEM faculty to use tactile learning activities in their classrooms?* [Online Presentation]. 2022 Ohio PKAL Regional Network Fall Meeting: Evidence-based Practices in Undergraduate Stem Education.

Hodge-Zickerman, A., **York, C. S.**, Stadel, E. (2022, May). *Active learning in a remote setting*. Presentation at the Change DIAL Conference: Lincoln, NE.

Hodge-Zickerman, A., Stadel, E., & **York, C. S.** (2021, March 6). *Using TACTivities to engage learners in any learning environment*. [Online Presentation]. Excellence in Mathematics Annual Conference, AZ.

*Note: for this presentation, I was an author only. Speaker listing is in alphabetical order, joint effort

Chen, Y.* , Mayall, H. J., & **York, C. S.** (2017, February). *Translating Funds of Knowledge into classroom practice using Google Apps for Education*. Illinois TESOL-BE's 43rd Annual Convention, Naperville, IL.

*Note: for this presentation, I was an author only.

Harrison, K.* , Mayall, H., & **York, C. S.** (2016, June). *Who are they? Recent findings about student identities in online discussions*. Presentation at the Transformative Teaching through Technology conference, De Pere, WI. *Note: for this presentation, I was an author only.

Chaing, J.-L.* , & **York, C. S.** (2013, November). *Digital image perceptions of Chinese language teachers and U.S. college students*. Presentation at the Mid-Western Educational Research Association conference, Evanston, IL. *Note: This paper was chosen as best of division from MWERA 2013.

Banas, J. R., & **York, C. S.** (2013, April). *Stimulating 21st century skills in STEM via web 2.0 technology-infused, inquiry-based learning projects*. Presentation at EdCamp, Northern Illinois, Sugar Grove, IL.

York, C. S., & Chinn, L. (2012, December). *Enhancing digital literacy using iPads*. Presentation at the 2012 Raising Student Achievement Conference, St. Charles, IL.

Ottenbreit-Leftwich, A. T.* , **York, C. S.***, & Ertmer, P. A.* (2005, March). *Cultivating exemplary technology integration teachers: What does it take?* Presentation at the meeting of the Michigan Association of Computer Users in Learning, Grand Rapids, MI.

York, C. S.*, Ottenbreit-Leftwich, A. T.* , Richardson, J. C.* , & Newby, T. J. (2005, February). *Delivery opportunities for large lecture courses*. Presentation at the meeting of the Teaching and Learning with Technology local conference, Purdue University, West Lafayette, IN.

WORKSHOPS PRESENTED

Hodge-Zickerman, A.* , & **York, C. S.*** (2025, November). *AI as a partner in mathematics teaching: Practical strategies across levels*. Invited Noyce Workshop. Western Carolina University, Cullowhee, NC.

*Speaker listing is in alphabetical order, joint effort.

- York, C. S.** (2025, April 22). *Revolutionizing your educational journal with artificial intelligence*. Invited GSA workshop NIU, DeKalb, IL.
- Hodge-Zickerman, A., & **York, C. S.** (2025, April 14). *Reimagining mathematics teaching in the AI era*. Invited Noyce Workshop. Western Carolina University, Cullowhee, NC.
- Hodge-Zickerman, A., & **York, C. S.** (2025, February 20-22). *AI as a Mathematical Collaborator*. Workshop presented at the 2025 Western Regional Noyce Network Conference. San Diego, CA. *Speaker listing is in alphabetical order, joint effort.
- Hodge-Zickerman, A.*, & **York, C. S.*** (2023, September 29). *Transforming mathematics assessment: Harnessing ChatGPT for interactive collaboration*. Communities for Mathematics Inquiry in Teaching Network - COMMIT Workshop [Online]. Invited workshop supported by NSF Grant (NSF-DUE #1925188). *Speaker listing is in alphabetical order, joint effort.
- Hodge-Zickerman, A.*, **York, C. S.***, & Stade, E. (March 29-April 2, 2021). *Using technology and TACTivities to engage learners in mathematics classrooms*. [Online Workshop]. Society for Information Technology and Teacher Education.
- Hodge-Zickerman, A., **York, C. S.**, & Stade, E. (March 12, 2021). *TACTivities: Gone remote*. [Online Workshop]. Workshop speaker at the ICTCM21 – 33rd International Conference on Technology in Collegiate Mathematics, Online.
- Hodge, A. M.*, & **York, C. S.*** (2019, March). *Enhance your mathematics classroom using active learning and technology*. Hands-on computer mini course, 75 minutes. Workshop speaker at the ICTCM – 31st International Conference on Technology in Collegiate Mathematics, Scottsdale, AZ. *Speaker listing is in alphabetical order, joint effort.
- York, C. S.** (2014). *iPads for pk-12 speech language pathologists*. Invited workshop speaker at the February 12, 2014 Illinois school district 303 speech language pathologist weekly seminar. St. Charles, IL.
- York, C. S.** (2013-2014). *iPad professional development workshops for teachers*. Genoa Kingston CUSD #424, IL.
- Banas, J. R.*, & **York, C. S.** (2013). *Developing 21st century skills via technology-infused inquiry-based learning projects*. Workshop at the Illinois Association for Health, Physical Education, Recreation and Dance Convention, St. Charles, IL.
- Banas, J. R.*, & **York, C. S.** (2013). *Developing 21st century skills via web 2.0 technology-infused, inquiry-based learning: An innovative workshop for busy, curious teachers*. May 29, 2013. DeKalb, IL.
- York, C. S.** (2013). *An introduction to iPads*. Invited workshop presenter at the professional development workshop at the American Academy of Pediatrics (AAP), February 21, 2013. Elk Grove Village, IL.
- York, C. S.** (2012). *iPads for pk-12 speech language pathologists*. Invited workshop speaker at the February 8, 2012 Illinois school district 303 speech language pathologist weekly seminar. St. Charles, IL.
- Richardson, J. C., **York, C. S.**, & Mong, C. (2007). Co-facilitator, *4-H workshop on video & movie making*, Purdue University, West Lafayette, IN.

SPEAKER

- York, C. S.** (2026, February 25). *Empowering educators: Leveraging AI for course design*. Invited Webinar for Association for Continuing Higher Education (ACHE). This was requested by ACHE, as my presentation at the conference was voted one of the best and they requested I repeat it for everyone to be able to see it. <https://youtu.be/OPeHz-QIPto?si=O0ACYMA nbXGrhHP8>
- Hodge-Zickerman, A.*, & **York, C. S.*** (2024, June 4). *AI as a collaborator in teaching*. [Online Webinar – 97 attendees]. Learning and Growing: A Hawkes Learning Webinar Series. <https://share.vidyard.com/watch/tj8JHqmbsgbiogNnE99NL?>

https://www.youtube.com/playlist?list=PLuf6LhiYihIubFb-CXN_GfWa6vlrEQ_L *Speaker listing is in alphabetical order, joint effort.

Richardson, J., Wang, X., & **York, C. S.** (2019). *Professional development as an international student*. Invited panel speaker for the Graduate Student Association. Association for Educational Communications and Technology Annual Convention, Las Vegas, NV. *Speaker listing is in alphabetical order, joint effort

York, C. S. (2019, April 22). *Presenting at conferences: A talk for graduate students*. Invited speaker at the ETRA Graduate Student Association NIU, DeKalb, IL.

Mellish, L., & **York, C. S.** (2015, November). *AECT First-Timer's Orientation*. Special session at the annual meeting of the Association for Educational Communications and Technology International Conference, Indianapolis, IN.

York, C. S. (2015). *Combining technology and mathematics for an engaged classroom*. Invited speaker for the University of Nebraska Omaha, Mathematics Department.

Dousay, T., **York, C. S.**, & Miller, C. (2014). *AECT internships 101*. Invited panel speaker for the Leadership Development Committee. Association for Educational Communications and Technology Annual Convention, Jacksonville, FL.

York, C. S., & Mellish, L. (2014). *AECT First-Timer's Orientation*. Special session at the annual meeting of the Association for Educational Communications and Technology Annual Convention, Jacksonville, FL.

Ressler, J., Strid, J. E., & **York, C. S.** (2014). *Faculty perceptions of the professoriate at NIU*. Invited panel speaker for the faculty first-year initiative on October 17, 2014, Northern Illinois University. *Speaker listing is in alphabetical order.

York, C. S. (2014). *The bold new world of K-12 school technology*. Invited speaker for the NIU Lifelong Learning Institute, Northern Illinois University.

York, C. S., & Mellish, L. (2013, Fall). *AECT First-Timer's Orientation*. Special session at the annual meeting of the Association for Educational Communications and Technology Annual Convention, Anaheim, CA.

Dousay, T., Strycker, J., & **York, C. S.** (2013). *Advice for the job hunt*. Invited panel speaker for the Graduate Student Association. Association for Educational Communications and Technology Annual Convention, Anaheim, CA. *Speaker listing is in alphabetical order.

Luetkehans, L., Robinson, R., Hung, W.-C., Mayall, H. J., & **York, C. S.** (2012). *Powering-up for tomorrow's post-secondary learners*. Presentation at the City Colleges of Chicago, Malcolm X, CBJT Distance Learning Lab, Chicago, IL.

York, C. S., & Banas, J. R. (2012, October). *AECT First-Timer's Orientation*. Special session at the annual meeting of the Association for Educational Communications and Technology International Conference, Louisville, KY.

Chen, X., Hoffman, E., Strycker, J., & **York, C. S.** (2012). *Advice for the job hunt*. Invited panel speaker for the Graduate Student Association. Association for Educational Communications and Technology Annual Convention, Louisville, KY. *Speaker listing is in alphabetical order.

York, C. S. (2012). *Online learning interaction: Perceptions of experienced online instructors – Seminar*. Invited speaker for the School of Engineering Education Seminars, Purdue University.

Chikatla, S., Strycker, J., & **York, C. S.** (2011). *Advice for the job hunt*. Invited panel speaker for the Graduate Student Association. Association for Educational Communications and Technology Annual Convention, Jacksonville, FL. *Speaker listing is in alphabetical order.

Miller, C., & **York, C. S.** (2010, October). *AECT First-Timer's Orientation*. Special session at the annual meeting of the Association for Educational Communications and Technology International Conference.

Miller, C., & York, C. S. (2009, October). *AECT First-Timer's Orientation*. Special session at the annual meeting of the Association for Educational Communications and Technology International Conference.

York, C. S. (2009). *Teaching online: Social presence and online interactions to improve courses*. Invited speaker at the Fall 2009 Research Seminar Series. Purdue University.

York, C. S. (2009). *Surviving your dissertation*. Invited speaker at the Fall 2009 PAET Talks. Purdue University.

West, R., York, C. S., Pastore, R., Lee, J., & Xu, M. (2008). *Strategies for successfully completing graduate school*. Invited panel in the Graduate Student Assembly at the annual meeting of the Association for Educational Communications and Technology international conference, Orlando, FL.

INSTRUCTIONAL DESIGN AND DEVELOPMENT PROJECTS

International Association of Healthcare Central Service Material Management (IAHCSMM). Co-developed and designed an online course for IAHCSMM through Purdue University Continuing Education. The course was required for certification and was moved to an online format. 2007

York, C. S., Mong, C., Richardson, R., & Decker, B. (2004). *Planning an effective study abroad course*. A paper-based unit for faculty interested in creating a study abroad course for the first time.

COURSE INSTRUCTIONAL DEVELOPMENT

HON 300: Future Ready: Exploring the Role of Generative AI in Education and the Workplace

Designed and developed a three-credit course for the NIU Honors program and the General Education course requirements. An introduction to Generative Artificial Intelligence and how it can be used in both education and future careers. Utilized ebooks via the NIU Library. Designed all assignments, assessments, and activities for eight synchronous course sessions, as well as all content provided in Blackboard LMS. Fall 2025.

ETT 792 / ETT 592: Special Topics in Instructional Technology: AI in Writing

Designed and developed a one-credit course for the ETRA department at NIU for graduate students in the field of instructional technology to understand when (and when not) to use AI in writing. Utilized ebooks via the NIU Library. Designed all assignments, assessments, and activities for 3 synchronous course sessions, as well as all content provided in Blackboard LMS. Summer 2025.

ETT 529: Theories of Instructional Design and Technology

Redesigned and developed a graduate-level learning, instructional, and instructional design theory course. Determined new readings. Utilized an ebook for students to use via the NIU Library. Designed new assignments (theory presentations, article annotations using Perusall, comparative organizer, and a choose-your-own-adventure final project/presentation/reflection), rubrics, and activities for seven synchronous course sessions, as well as all content provided in Blackboard LMS. The impetus for the redesign was to make it more challenging for AI to perform the work and ensure that students are thinking critically. Fall 2024.

ETT 429: Computers in Classroom Teaching

Redesigned Module 2 assignment to incorporate Adobe Firefly (AI image tool) instead of Adobe Photoshop Beta. Created video lectures and assignments/rubrics for module 2. Fall 2024

ETT 515: Introduction to Educational Computing Systems in K-12 Classrooms

Designed and developed a three-credit course for the ETRA department at NIU for pre-service and in-service teachers who teach K12 Computer Science. Meeting the Computer Science Teacher Standards (CSTA) for the State of Illinois Endorsement. An introduction to computing pedagogy for K-12 pre-service and in-service teachers. Introduces domain knowledge and pedagogy related to fostering inclusive computing culture, collaborating around computing, and recognizing and defining computational problems in K-12 school environments. 2021, Summer 2024

ETT 799a: Seminar: Dissertation Research and Writing

Designed and developed a course for my section of the dissertation writing doctoral seminar for the ETRA department at NIU. Created scaffolded assignments to guide students through the dissertation research and write-up. Created learning communities among my students grouped by dissertation phase: proposal, data collection, and final writing. 2023

ETT 741: Seminar: Instructional Technology Theory

Re-designed and developed a doctoral seminar on instructional technology theories for the ETRA department at NIU. Created scaffolded assignments to teach the process of finding and writing literature reviews on theoretical constructs. 2023

ETT530: Instructional Technology Tools (cross-listed with ETT311/430)

Collaborating with AI to design instructional materials. Designed and developed the curriculum for ETT530 to incorporate the use of AI for teachers and professionals in the production of instructional materials. Designed all assignments, rubrics, and mini-lectures, as well as all content provided in Blackboard LMS. Summer 2023. Redesigned Fall 2023. Will be listed in the 26-27 University catalog as ETT524.

ETT 561x: Human Resource Development

Re-designed and developed a three-credit course for the ETRA department at NIU to teach the theories and practices of human resource development. Human resource development covers areas of training and development, career development, organization development, performance improvement, organizational learning, and knowledge management. 2021; updated 2022

ETT 743: Seminar: Instructional Technology Problems

Co-re-designed and co-developed a doctoral seminar on instructional technology problems for the ETRA department at NIU. 2015; updated 2022. Completely overhauled this course in Spring 2026. Recreated all the assignments and activities to better align with student needs just prior to dissertation writing.

ETT 510: Instructional Media and Technology (cross-listed with ETT430).

Redesigned and developed the curriculum for both ETT510 and ETT430 to match the learning objectives and standards for the courses. Differentiated assignments between the two courses. Designed an additional five assignments for the course to better meet the learning objectives. 2021

ETT 555: Multimedia: Media Design

Re-designed and developed a three-credit course for the ETRA department at NIU to teach still images, audio, and video. 2014; updated 2020 and 2021

ETT 740: Seminar: Instructional Technology Foundations

Co-re-designed and co-developed a doctoral seminar on instructional technology foundations for the ETRA department at NIU. Added instructional activities. Designed the environment to be fully online. 2018; updated 2020

ETT 790: Advanced Workshop in Instructional Technology

Designed and developed a workshop on academic writing in the field of instructional technology for PhD students and advanced master's thesis students. 2019

ETT 741: Seminar: Instructional Technology Theory

Co-re-designed and co-developed a doctoral seminar on instructional technology theories for the ETRA department at NIU. Created scaffolding assignments to teach the process of finding and writing literature reviews on theoretical constructs. 2013

ETT 590: Preparing for the Job Hunt

Designed and developed a one-credit course for the ETRA department at NIU to teach students how to prepare resumes/vitae for interviews and search for jobs in their new fields. 2013

ETT 590: iPads in the Classroom

Designed and developed a one-credit course for the ETRA department at NIU to teach the knowledge and skills necessary to implement iPads in a classroom. The course included an evaluation of Apps, lesson plan writing, and discussions of the trend of one-to-one iPad classrooms. 2012

ETT 592: Mobile Technologies for Teaching and Learning

Designed and developed a 3-credit course for the ETRA department at NIU to examine the trend of mobile technologies in teaching and learning in K-12, higher education, and corporate settings. 2012

ETT 530: Instructional Technology Tools

Redesigned part of a 3-credit course for the ETRA department at NIU to include advanced PowerPoint, Adobe Presenter, and Adobe Captivate. The course was a production/development course and project-based using the three tools. Developed video tutorials for how to use Presenter features. 2012

EDCI 560 – Educational Technology for Teaching and Learning

Co-developed and co-designed an online course for the Curriculum and Instruction Department through Purdue University Continuing Education. The course was required for Purdue's Computer Education licensure program, which was being moved to an online format. 2007-2008

OPEN EDUCATIONAL RESOURCE DESIGN AND DEVELOPMENT PROJECTS

York, C. S., & Alshuredah, O. (2024). *AI in education: An interactive introduction*. (Online module with interactive questions). Northern Illinois University. <https://is.gd/kG9uAx>

York, C. S. (2023). *TACTivities*. <https://cindyork.net/tactivities>. (Webpage development)

CERTIFICATIONS

Quality Matters – Applying the QM rubric.	2014
Indiana State Teaching License. General Elementary. (Inactive)	1994

AWARDS AND HONORS

2024 Northern Illinois University Bob Lane Faculty Advocacy Award Recipient	2024
Distinguished Service Award Recipient, Division of Distance Learning, Association for Educational Communications and Technology	2012, 2013, 2017
Presidential Award Recipient, Association for Educational Communications and Technology	2012, 2013, 2015, 2016
2015 AECT Division of Distance Learning (DDL) Qualitative Journal Article Award - 3 rd Place. York, C. S., & Richardson, J. C. (2012). Interpersonal interaction in online learning: Experienced online instructors' perceptions of influencing factors. <i>Journal of Asynchronous Learning Networks</i> , 16(4), 83-98.	2015
2014 AECT Division of Distance Learning (DDL) Distance Education Book Award - 2 nd Place. Lowenthal, P. R., York, C. S., & Richardson, J. C. (Eds.). (2014). <i>Online learning: Common misconceptions, benefits, and challenges</i> . Nova Science Publishers.	2014
Early Career Registration Scholarship Program Award recipient, Association for Educational Communications and Technology	2010
Associate Fellow of the Teaching Academy, Purdue University	2010
Educational Communications and Technology (ECT) Foundation Mentor Endowment Scholarship (\$3,000)	2009
Dean's Doctoral Scholarship, College of Education, Purdue University	2009
Purdue University Graduate School Excellence in Teaching Award Recipient	2009
Committee for the Education of Teaching Assistants (CETA) Graduate Student Honoree, Purdue University	2009
Outstanding Graduate Student Teaching Award Winner, College of Education, Purdue University	2009

Outstanding Graduate Student Teaching Award Winner, Department of Curriculum and Instruction, Purdue University	2009
Frank B. DeBruicker Graduate Scholarship in Educational Technology, Purdue University	2008
Cochran Intern Award- ECT Foundation (AECT Conference), Orlando, FL	2008
Exemplary Distance Education Course: EDCI 560, Teaching and Learning with Technology Award Recipient, Purdue University	2008
Technology for Authentic Problem Solving (TAPS) Award Recipient Michigan Association for Computer Users in Learning (MACUL) and MSU	2005

SERVICE

Northern Illinois University

Member, Department Personnel Committee, ETRA	2017-19, 2022-26
Chairperson	2023-2024
Alternate Member	Fall 2019, Spring 2020, 2025-2026
Secretary	2018-2019
Member, Department Curriculum and Department Academic Research Retention Professionalism Committee	2020-2022 2013-2017
Committee Chair, 2015-2016	
Member, NIU AI Task Force. Teaching and learning working group	Fall 2024-present
Department Rep, NIU United Faculty Alliance	2021-present
Chairperson of the Elections Committee	2024-present
Senior Graduate Faculty Status – allows for the chairing of doctoral dissertations	2014-present
Reviewer, Technology Specialist Program Comprehensive Exam Portfolio	2011-present
Member, LEPF/ETRA working group curriculum committee	2024-2026
Alternate Member, COE College Curriculum Committee	2024-2026
Member, University Committee on Advanced Non-Teaching Educator License Programs (UCANELP) (formerly CAPCE)	2025-2026 2021-2022 2014-2019
Faculty Advisor, ETRA Graduate Student Association	Fall 2024-Spring 2025
Member, Online Learning Advisory Council	2020-2023
Reviewer, COE Research and Artistry Grant	Spring 2022
Member, College Research Committee	2020-2022 2013-2014
Authorized Departmental Reviewer, Institutional Review Board (IRB), ETRA	2019-2020 2012-2015
Coordinator, MEd Comprehensive Exam Portfolio, Instructional Technology Program	2016-2020
Program Coordinator, Instructional Technology Program	2019-2020
Also filled in for 7 months for faculty on sabbatical	2015
Alternate Member, College Research Committee	2017-2019
Member, Computing Facilities Advisory Committee	2014-2017

Member, Search Committee for College of Education Dean	2015-2016
Curriculum Coordinator, Instructional Technology Program	2015-2016
Alternate Member, Committee on Advanced Professional Certification	2013-2014
Co-Chair, Search Committee for ETRA Faculty	2013-2014
Member, Search Committee for ETRA Faculty	2013-2014
Alternate Member, Committee on Initial Teacher Certification	2013-2014
Alternate Member, Department Curriculum Committee	2012-2013
Member, Department Academic Research Retention Professionalism Committee	2011-2013
Member, Committee on Initial Teacher Certification	2012-2013
Member, Doctoral Dissertation Completion Fellowship Committee	2013
Member, ETRA Alumni Advisory Committee	2011-2013
Intern Supervisor, Technology Specialist Program	2011

Armstrong Atlantic State University

Member, Search Committee for Department of Adolescent and Adult Education	2011
Chair, Common Course Committee EDUC 3100/6100	2011
Facilitator, LiveText workshops for faculty and students at AASU	2010-2011
Member, College of Education Grant Committee	2010-2011

Purdue University

Technology Coordinator - Transition to Teaching Program	2008-2010
Planned and taught educational technology instruction in a series of workshops to students in the Transition to Teaching Program (the program assists current professionals in completing teaching education courses and receiving teacher licensure).	
President, Purdue Association of Educational Technology (PAET)	2008-2009
Graduate Student Representative, Curriculum & Instruction Graduate Committee	2006-2007
Graduate Student Representative, College of Education Awards Committee	2006-2007
Volunteer/Facilitator, New Student Orientation Program	2006
Travel Grant Reviewer, Purdue Graduate Student Government (PGSG)	2005
Graduate Advisor to Purdue Student Education Council (PSEC)	2005
Graduate Student Representative, Grade Appeals Committee	2004-2005

External Associations

Proposal Reviewer, Association for Educational Communications and Technology Annual Convention (AECT)	2005, 2010-2014, 2025
Reviewer, Book Chapter, In Creativity Research Group (Eds.), (2026). <i>From seeds to STEMs: A guide to nurture mathematical creativity from theoretical perspectives to instructional practices</i> . 619 Wreath Publishing.	2025
Reviewer, Book Chapters (N=2), In J. P. Howard, II & J. F. Byers (Eds.), (2025). <i>Teaching and learning mathematics online</i> (2 nd ed.). Taylor and Francis.	2024
Reviewer, Book Chapter (N=1), In L. Gray & S. Dunn (Eds.), (2024). <i>Incorporating the human element in online teaching and learning education</i> . IGI Global.	2024
External Evaluator, Tenure & Promotion, (university name withheld for privacy)	2018, 2024
Reviewer, Presentation Proposal (N=1) Illinois Online Higher Education Symposium	2024
External Reviewer, NSF Proposals (N=2), Experimental Program to Stimulate	2023

Competitive Research (EPSCoR)	
Reviewer, Routledge Book Proposal	2023
Reviewer, Blackboard Exemplary Course Program	2022
Reviewer, Online Learning Journal (OLJ)	2022
Reviewer, Book Chapter (N=1). In K. Hollebrands, R. Anderson, & K. Oliver (Eds.), (2021). <i>Online Learning in Mathematics Education. Springer Series, Research in Mathematics Education.</i> Springer.	2021
Member, TechTrends Editorial Board	2020
Reviewer, TechTrends	2019
Reviewer, Editorial Review Board for International Journal of Information Communications and Technology Education (IJICTE)	2011-2019
Member, AECT Board of Directors - Representing the Division of Distance Learning	2014-2017
Board Member, Division of Distance Learning, Association for Educational Communications and Technology (AECT)	2014-2017
Member, Leadership Development Committee, Association for Educational Communications and Technology (AECT)	2009-2017
Reviewer, Computers & Education Journal (CAE)	2016
Conference Session Chair, International Symposium of New Issues in Teacher Education (ISNITE)	2016
Chair, Leadership Development Committee, Association for Educational Communications and Technology (AECT)	2012-2015
Reviewer, 2015 AECT Young Researcher Award	2014-2015
Conference Co-Planner, Association for Educational Communications and Technology (AECT)	2010-2015
Reviewer, Review Panel for MERLOT Journal of Online Learning and Teaching (JOLT)	2012-2015
Past-President, Division of Distance Learning, Association for Educational Communications and Technology (AECT)	2012-2013
Invited Reviewer for Language, Speech, and Hearing Services in Schools (LSHSS)	2013
Chair, AECT/ECT Foundation Intern Selection Task Force, Association for Educational Communications and Technology	2012
President, Division of Distance Learning, Association for Educational Communications and Technology (AECT)	2011-2012
Co-Chair, Leadership Development Committee, Association for Educational Communications and Technology (AECT)	2011-2012
President-Elect, Division of Distance Learning, Association for Educational Communications and Technology (AECT)	2010-2011
Coordinator, Faculty/Student Mentor Program, Association for Educational Communications and Technology (AECT)	2009-2011
Conference Session Facilitator, Association for Educational Communications and Technology (AECT)	2009, 2011
ECT Intern Review Committee, Association for Educational Communications and Technology (AECT)	2009-2011
Proposal Reviewer, American Educational Research Association Annual Meeting (AERA)	2005, 2011
Board Member, Division of Distance Learning, Association for Educational Communications and Technology (AECT)	2009-2010

Proposal Reviewer, EdMedia Annual Conference

2005

FUNDING/GRANT WRITING [Grants were funded unless otherwise indicated as unfunded.]

Noyce Summit Capacity Building Travel Award Grant, 2024 Washington, D.C.	\$1250
York, C. S. (Principal), Rupnow, R. (Co-Principal), & Hodge-Zickerman, A. (2023). National Science Foundation (NSF). The Robert Noyce Teacher Scholarship and Stipends Capacity Building Grant proposal. <i>Capacity building: Strengthening STEM education: Exploring partnership strategies for recruiting and retaining northern Illinois mathematics teachers</i>	\$100,000, Unfunded
Imteaj, A. (Principal), Shahid, A. (Co-Principal), & York, C. S. (Co-Principal). (Fall 2023). The University of Illinois System's Office of the Vice President for Economic Development and Innovation (OVPEDI) - Social Innovation and Impact proposal: <i>Education and Workforce Training on Generative AI: Technical and Ethical Perspectives</i>	\$29,910, Unfunded
Guzman, A. (Principal), & York, C. S. (Co-Principal). (Fall 2023). Northern Illinois University Research and Artistry 2024 proposal: <i>Artificial Intelligence in Higher Education: Enhancing Learning and Teaching through Interdisciplinary Research.</i>	\$15,000, Unfunded
York, C. S. (Principal), Guzman, A. (Co-Principal), Freedman, R., Gordon, R., Gunkel, D., Liu, Y., Palese, B., & Rodgers, D. (2023). <i>Student perceptions of artificial intelligence in higher education.</i> NIU College of Education Dean's Research Grant.	\$4,000, Unfunded
Smith, T. J., & York, C. S. (Co-Principal). (2014). NIU Internal Contract Proposal, <i>Assessment of ISLE Implementation.</i>	\$75,000, Unfunded
Gaucher, D. (Co-Principal), Such, J. A. (Co-Principal), Luetkehans, L. M., York, C. S. , Click, A., Underwood, J., & Downey, M. (2013-2014). <i>Vision 20/20 Retention Smart Device App</i> , Vision 20/20, Northern Illinois University, co-recipient with Digital Convergence Lab, 2013-2014	\$25,000
David W. Raymond Grant proposal for the Use of Technology in Teaching. Utilizing Apple TV to wirelessly project in the classroom, 2013, NIU	\$1000, Unfunded
AECT/NSF Early Career Faculty Symposium participant, 2010	\$1,400
Bilsland Dissertation Fellowship, Purdue Graduate School, 2009-2010	\$45,824
Purdue Graduate Student Government (PGSG) Travel Grant, 2009	\$200
PRF Research Grant (Purdue Research Foundation), 2008 Instructional Design Heuristics	\$14,772
Summer PRF Grant (Purdue Research Foundation), 2008 Instructional Design Heuristics	\$2,580
Brown-Forman Corporation Graduate School Travel Award, 2008	\$500
Dean's Graduate Student Support Program, College of Education, Purdue University, 2007	\$200
Summer PRF Grant (Purdue Research Foundation), 2006 Instructional Strategies Used in Online Discussions	\$2,438
Purdue Graduate Student Government (PGSG) Travel Grant, 2005	\$250

PROFESSIONAL AFFILIATIONS

ACHE – Association for Continuing Higher Education, Inc.	2024 - present
AAC&U – American Association of Colleges and Universities	2022 - present
CSTA - Computer Science Teachers Association Member of National Award Review Committee	2021 - present
SHRM – Society of Human Resource Management	2021 - present
EDUCAUSE	2017 - present
AECT - Association for Educational Communications and Technology Division Membership: Distance Learning, Design & Development, Teacher Education. Past-President of DDL, Past Board Member, Past Chairperson of the Leadership Development Committee	2004 - present
AERA - American Educational Research Association	2004 - present
AACE - Association for the Advancement of Computing in Education	2004 – present
PALDT - Purdue Association of Learning Design Technology	2004 - present
NAPDS – National Association for Professional Development Schools	2012 - present
OLC – Online Learning Consortium	2012 - present
PIDT – Professors of Instructional Design and Technology	2011 -present
ICE - Indiana Computer Educators	2004 - present
Kappa Delta Pi - Education Honor Society	1994 - present
IAHPERD – Illinois Association for Health, Physical Education, Recreation and Dance	2013 - 2014
ICE - Illinois Computing Educators (Illinois Digital Educators Alliance)	2013 - 2014
MWERA – Mid-Western Educational Research Association	2013 - 2014
MACUL - Michigan Association for Computer Users in Learning	2004 - 2005

TECHNOLOGY PROFICIENCIES

Web-Based Applications: Google Sites, Web 2.0, GenAI tools

Course Management Systems: WebCT, BlackBoard (Original, Ultra), Moodle

Digital Video and Media Production: Captivate, Articulate, Presenter, Camtasia, iMovie, Windows Movie Maker, Audacity, Pixlr, Screencast, flipgrid, iSpring

Survey Tools: Qualtrics, Survey Monkey, Google Forms, PollEverywhere

Hardware: iPads, Windows, MAC, SmartBoards, Clickers, Tablets, Chromebooks

Teaching Tools: Turnitin.com, Remind, Adobe Connect, Blackboard Collaborate, Zoom, MS Teams

ePortfolio Tools: LiveText, TaskStream, Digital Measures

Productivity Tools: Microsoft Suite, Adobe Creative Suite, Google Suite

Database Management: MS Access, SQL

Social Media Applications: Facebook, Twitter, Snapchat, Instagram