KYLIE PEPPLER
Curriculum Vitae, August 2014

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EDUCATION

Ph.D., Education
University of California, Los Angeles, 2007

B.A., Psychology, French, and Studio Art
Indiana University, Bloomington, 2002

CURRENT APPOINTMENT

Assistant Professor, Learning Sciences, School of Education, Indiana University, 2008 – present.

PRIOR APPOINTMENTS

Postdoctoral Research Associate, "Uncovering Literacies, Disrupting Stereotypes: Media Arts Practices of Youth with (Dis)Abilities." Mark Warschauer, University of California, Irvine, 2007.

Postdoctoral Research Associate, "Investigating Media Arts as a Platform for Technology Fluency." Yasmin B. Kafai, UCLA, 2007.

Postdoctoral Research Associate, "Arts in the Middle (AIM): Arts in Education Model Development and Dissemination (AEMDD)". Principal Investigator: James Catterall, UCLA, 2007.

Senior Graduate Research Assistant, "ITR: A Networked, Media-Rich Programming Environment to Enhance Technological Fluency at After-School Centers in Economically-Disadvantaged Communities." Principal Investigators: Yasmin B. Kafai, UCLA and Mitchel Resnick, MIT Media Lab, 2004 – 2007.

Graduate Research Assistant, "Investigating Science-Based Immersive Online Environments". Principal Investigator: Yasmin B. Kafai, 2005-2007.

Graduate Research Assistant, "Evaluating Learning in the Arts during LA's BEST After-School Arts Program (ASAP)." Principal Investigator: James Catterall, UCLA, 2005 – 2006.

Graduate Research Assistant, "Computer Mentoring Partnerships: A Research Collaboration between Youth Opportunities Unlimited (Y.O.U.), Inc. and UCLA Undergraduates to Promote Technology Fluency. "Principal Investigator: Yasmin Kafai, UCLA, 2004-2005.

Graduate Research Assistant, "Project HOOP, Honoring Our Origins and People Through Native Theater, Education, and Community Development." Principal Investigators: James Catterall and Hanay Geiogamah, UCLA, 2003-2005.

Graduate Research Assistant, "Visual Arts Education and The Worldviews of Inner-City Children." Principal Investigator: James Catterall, UCLA, 2002-2003.

COURSES TAUGHT

Graduate Topical Seminar: Designing for Change (ED P674), Indiana University
Online Graduate Topical Seminar: Learning in New Media (ED P574), Indiana University
Graduate Topical Seminar: Learning in New Media (ED P650/P674), Indiana University
Apprenticeship in the Learning Sciences (ED P573), Indiana University
Educational Psychology for All Grades (ED P254/M201), Indiana University
Educational Psychology for Elementary Teachers (ED P251/M201), Indiana University
Culture, Technology, and Human Development (ED 194B), UCLA
Culture, Communications, and Human Development (ED 194C), UCLA

Research

PUBLICATIONS: BOOKS, PAPERS AND OTHER CONTRIBUTIONS
Refereed books
1.1 **Peppler, K.** (2014). *New Creativity Paradigms: Arts Learning in the Digital Age.* New York, NY: Peter Lang Publishing.
1.2 Buechley, L., **Peppler, K.**, Eisenberg, M., & Kafai, Y. (Eds.) (2013). *Textile Messages: Dispatches from the World for e-Textiles and Education.* New York, NY: Peter Lang Publishing.
1.3 Kafai, Y.B., **Peppler, K.**, & Chapman, R. (Eds.) (2009). *The Computer Clubhouse: Creativity and Constructionism in Youth Communities.* New York, NY: Teachers College Press.

Refereed journal articles
2.1 Buccholz, B., Shively, K., **Peppler, K.**, & Wohlwend, K. (2014). Hands On, Hands Off: Gendered Access in Sewing and Electronics Practices*. Mind, Culture and Activity.*
2.2 **Peppler, K.**, Wessel-Powell, C., Thompson, N., & Catterall, S. (2014). Positive Impacts of Arts Integration on Student Academic Achievement in English Language Arts. *The Educational Forum.*
2.3 **Peppler, K.** (2013). STEAM-Powered Computing Education: Using E-Textiles to Integrate the Arts and STEM. *IEEE Computer,* September 2013, pp. 38 – 43.
2.4 **Peppler, K.**, Danish, J. & Phelps, D. (2013). Collaborative Gaming: Designing Board Games to Teach Young Children about Complex Systems and Collective Behavior. *Simulation & Gaming: An Interdisciplinary Journal of Theory, Practice and Research*, 44(5), pp. 683-705*.*
2.5 **Peppler, K.** & Bender, S. (2013). Maker Movement spreads innovation one project at a time. *Phi Delta Kappan.* 95(3), pp. 22 - 27.
2.6 Downton, M. P., **Peppler, K. A.**, Portowitz, A., Bamberger, J. & Lindsay, E. (2012). Composing pieces for peace: Using Impromptu to build cross-cultural awareness. *Visions of Research in Music Education,* 20, pp. 1-37. Retrieved from http://www-usr.rider.edu/~vrme/v20n1/index.htm
2.7 **Peppler, K.** & Glosson, D. (2012). Stitching Circuits: Learning About Circuitry Through E-Textile Materials. *Journal of Science Education and Technology,* 22(5), pp. 751-763.
2.8 **Peppler, K.** & Warschauer, M. (2012). Uncovering Literacies, Disrupting Stereotypes: Examining the (Dis)Abilities of a Child Learning to Computer Program and Read. *International Journal of Learning and Media,* 3(3), pp.15-41.
2.9 Danish, J., **Peppler, K.**, Phelps, D. & Washington, D. (2011). Life in the Hive: Supporting Inquiry into Complexity within the Zone of Proximal Development. *Journal of Science Education and Technology*, 20(5), pp. 454–467.
2.10 Davis, H., **Peppler, K.** & Hickey, D. (2011). Assessment Assemblage: Advancing Portfolio Practice Through the Assessment Stage Theory. *Studies in Arts Education*, 52(3), pp. 213-224.
2.11 **Peppler, K.**, Downton, M., Lindsay, E., & Hay, K. (2011). The Nirvana Effect: Tapping Video Games to Mediate Music Learning and Interest. *International Journal of Learning and Media*, 3(1), pp. 41-59.
2.12 **Peppler, K.** & Solomou, M. (2011). Building Creativity: Collaborative Learning and Creativity in Social Media Environments. *On the Horizon*, 19(1), pp. 13-23.
2.13 Kafai, Y. & **Peppler, K.** (2011). Youth, Technology, and DIY: Developing Participatory Competencies in Creative Media Production. In V. L. Gadsden, S. Wortham, and R. Lukose (Eds.), *Youth Cultures, Language and Literacy. Review of Research in Education*, 35(1), pp. 89-119.
2.14 **Peppler, K.** & Kafai, Y. B. (2010). Gaming Fluencies: Pathways into a Participatory Culture in a Community Design Studio. *International Journal of Learning and Media*, 1(4), pp. 1-14.
2.15 **Peppler, K.** (2010a). Media Arts: Arts Education for a Digital Age. *Teachers College Record*, 112(8), pp. 2118–2153.

2.16 **Peppler, K.**, Warschauer, M., & Diazgranados, A. (2010). Game Critics: Exploring the Role of Critique in Game-design Literacies. *E-Learning and Digital Media*, 7(1), pp. 35-48.

2.17 Barab, S., Dodge, T., Ingram-Goble, A., Pettyjohn, P., **Peppler, K.**, Volk, C., Solomou, M. (2010). Pedagogical Dramas and Transformational Play: Narratively-Rich Games for Education. *Mind, Culture, and Activity*, 17(3), pp. 1-30.

2.18 Catterall, J.S. & **Peppler, K.** (2007). Learning in the Visual Arts and Worldviews and Young Children. *Cambridge Journal of Education*, 37(4), pp. 543 – 560.

2.19 **Peppler, K.** & Kafai, Y. (2007). From SuperGoo to Scratch: exploring creative digital media production in informal learning. *Learning, Media, and Technology*, 32(2), pp. 149–166.

Refereed chapters, conference proceedings, and other contributions

3.1 Kafai, Y. & **Peppler, K.** (2014). Transparency Reconsidered: Creative, Critical and Connected Making with E-Textiles. In M. Boler & M. Ratto (Eds.), *DIY Citizenship.* MIT Press: Cambridge, MA.

3.2 **Peppler, K.** & Glosson, D. (2013). Learning about Circuitry with E-textiles in after-school settings. In M. Knobel & C. Lankshear (Eds.), *The New Literacies Reader,* New York, NY: Peter Lang Publishing.

3.3 **Peppler, K.** (2013b). Social Media and Creativity. In D. Lemish (Ed.), *The Routledge International Handbook of Children, Adolescents and Media.* New York, NY, Routledge, p. 193-200.

3.4 Wohlwend, K. & **Peppler, K.** (2013). Designing with Pink Technologies and Barbie Transmedia. In G. M. Boldt & McArdle, F. (Eds.) Young Children, Pedagogy and the Arts: Ways of Seeing. New York, NY, Routledge, 129-145.

3.5 Downton, M., **Peppler, K.**, & Bamberger, J. (2011). *Talking Like a Composer: Negotiating shared musical compositions using Impromptu.* Published In the proceedings of the 2011 Computer-Supported Collaborative Learning (CSCL) Conference. Hong Kong, China.

3.6 **Peppler, K.**, Fields, D., Kafai, Y., & Glosson, D. (2011). Articulating Creativity in a New Domain: Expert Insights from the Field of E-Textiles. Published in the ACM Cognition & Creativity Conference Proceedings. ACM: Atlanta, GA.

3.7 Danish, J., **Peppler, K.**, & Phelps, D. (2010). *BeeSign: Designing to Support Mediated Group Inquiry of Complex Science by Early Elementary Students.* Published in the proceedings of the 9th International Conference on Interaction Design and Children, Barcelona, Spain.

3.8 Downton, M., **Peppler, K.** & Portowitz, A. (2010). *Building tunes block by block: Constructing musical and cross-cultural understanding through Impromptu.* Published in the proceedings of the 2010 Constructionism Conference, Paris, France.

3.9 Horcher, A. M., **Peppler, K.**, & Glosson, D. (2010). *E-Textiles: the Softer Side of Computing.* Published in the proceedings from the 2010 Grace Hopper Celebration of Women in Computing, Atlanta, GA.

3.10 Kafai, Y., **Peppler, K.**, Burke, Q., Moore, M., & Glosson, D. (2010). *Fröbel's Forgotten Gift: Textile Construction Kits as Pathways into Play, Design and Computation.* Published in the proceedings of the 9th International Conference on Interaction Design and Children, Barcelona, Spain.

3.11 **Peppler, K.**, Danish, J., Zaitlen, B., Glosson, D., Jacobs, A., & Phelps, D. (2010). *BeeSim: Leveraging Wearable Computers in Participatory Simulations with Young Children.* Published in the proceedings of the 9th International Conference on Interaction Design and Children, Barcelona, Spain.

3.12 **Peppler, K.** & Davis, H. (2010). *Arts and Learning: A Review of the Impact of Arts and Aesthetics on Learning and Opportunities for Further Research.* Published in the proceedings of the 2010 International Conference of the Learning Sciences (ICLS), Chicago, IL.

3.13 **Peppler, K.** & Kafai, Y. (2008a). *Youth as Media Art Designers: Workshops for Creative Codings.* Published in the proceedings of the 2008 Interaction Design for Children (IDC) Conference held at Northwestern University, Chicago, IL.

3.14 **Peppler, K.** & Kafai, Y. B. (2008b). *Learning from Krumping: Collective Agency in Dance*

Performance Cultures. Published in the proceedings of the 2008 International Conference of the Learning Sciences (ICLS), Utrecht, Netherlands.

3.15 **Peppler, K.** & Kafai, Y.B. (2008c). *Developing a Design Culture at the Computer Clubhouse: The Role of Local Practices and Mediators*. Published in the proceedings of the 2008 International Conference of the Learning Sciences (ICLS), Utrecht, Netherlands.

3.16 **Peppler, K.** & Kafai, Y.B. (2008d). *New Literacies and the Learning Sciences: A Framework for Understanding Youths' Media Arts Practices*. Proceedings in the published of the 2008 International Conference of the Learning Sciences (ICLS), Utrecht, Netherlands.

3.17 Maloney, J., **Peppler, K.**, Kafai, Y. B., Resnick, M. & Rusk, N. (2008a). *Programming by Choice: Urban Youth Learning Programming with Scratch*. Published in the proceedings by the ACM Special Interest Group on Computer Science Education, Portland, OR.

3.18 Maloney, J., **Peppler, K.**, Kafai, Y.B., Resnick, M. & Rusk, N. (2008b). *Media Designs with Scratch: What Urban Youth Can Learn about Programming in a Computer Clubhouse*. Published in the proceedings of the 2008 International Conference of the Learning Sciences (ICLS), Utrecht, Netherlands.

3.19 Hayes, E., **Peppler, K.**, Kafai, Y., Games, I., Torres, R., Pinkard, N., Hooper, P., Klopfer, E., Scheintaub, H., Eugene, W., Daily, S., Ancholou, U., Barron, B., Forssell, K., Kennedy, C., Rogers, M., Takeuchi, L., Walter, S. & Zimmerman, E. (2008). *New Perspectives on Learning Through (Game) Design*. Published in the proceedings of the 2008 International Conference of the Learning Sciences (ICLS), Utrecht, Netherlands.

3.20 Kafai, Y., **Peppler, K.** & Chiu, G. (2007). High Tech Programmers in Low-Income Communities: Seeding Reform in a Community Technology Center. In C. Steinfield, B. Pentland, M. Ackerman, &. N. Contractor (Eds.), *Communities and Technologies 2007* (pp. 545-564). New York: Springer.

3.21 **Peppler, K.** & Kafai, Y. B. (2007a). What video game making can teach us about learning and literacy: Alternative pathways into participatory culture. In Akira Baba (Ed.), *Situated Play: Proceedings of the Third International Conference of the Digital Games Research Association* (DiGRA) (pp. 369-376). Tokyo, Japan: The University of Tokyo.

3.22 **Peppler, K.** & Kafai, Y.B. (2007b). *Collaboration, Computation, and Creativity: Media Arts Practices in Urban Youth Cultures*. Published in the proceedings of the 2007 Computer Supported Collaborative Learning (CSCL) Conference held at Rutgers University, New Brunswick, NJ.

3.23 Barron, B., Kafai, Y., Josephs, D., Pinkard, N., Resnick, M., Martin, C., Schatz, C., Shapiro, B., Millner, A., **Peppler, K.**, Chiu, G. & Desai, S. (2006). *Clubs, Homes, and Online Communities as Contexts for Engaging Youth in Technology Fluency Building Activities.* Symposium and proceedings published in the 2006 International Conference of the Learning Sciences, Bloomington, IN.

3.24 Kafai, Y., **Peppler, K.**, Alavez, M. & Ruvalcaba, O. (2006). *Seeds of a Computer Culture: An Archival Analysis of Programming Artifacts from a Community Technology Center*. Proceedings Published in the 2006 International Conference of the Learning Sciences, Bloomington, IN.

3.25 **Peppler, K.** & Kafai, Y. (2006). *Creative Codings: Investigating Cultural, Personal, and Epistemological Connections in Media Arts Programming*. Proceedings published in the 2006 International Conference of the Learning Sciences (ICLS), Bloomington, IN.

Invited chapters, conference proceedings, and other contributions

4.1 **Peppler, K.** (2013). On Screen and Onstage: Interest-Driven Arts for Teens. *Opera America,* Fall 2013, 30-31

4.2 Kafai, Y. B. & **Peppler, K.** A. (2012). Developing Gaming Fluencies with Scratch: Realizing Game Design as an Artistic Process. In C. Steinkuehler, K. Squire and S. Barab (Eds.), *Games, Learning, and Society: Learning and Meaning in the Digital Age*. New York, NY: Cambridge University Press.

4.3 **Peppler, K.** (2012). Scratch: digital art making. *Child Art Magazine 12(1), Number 42. pp. iv.*

4.4 Catterall, J.S. & **Peppler, K.** (2007). *Learning in the Visual Arts and Worldviews of Young*

Children: Lessons from Skid Row. Evaluating the Impact of Arts Education: A European and International Research Symposium, Centre Pompidou, Paris.

French translation: Catterall, J.S., & **Peppler, K.** (2007). *Initiation aux ars visuels et vision du monde chez les jeunes enfants: quand confiance en son efficacité et originalité se rencontrent.* In Symposium européen et international de researche: Évaluer les effets de l'éducation artistique et culturelle (pp. 283-293). Paris: La documentation Française.

PUBLICATIONS: MANUSCRIPTS IN PROGRESS

Refereed books under contract
5.1   **Peppler, K.** (Ed.) (in progress, 2017). *Encyclopedia of Out-of-School Learning: Volume 1.* Los Angeles, CA: Sage Publications.
5.2   **Peppler, K.** (Ed.) (in progress, 2017). *Encyclopedia of Out-of-School Learning: Volume 2.* Los Angeles, CA: Sage Publications.
5.3   **Peppler, K.**, Halverson, E. & Kafai, Y. (Eds.) (in progress, 2015). *Makeology: The Maker Movement and the Future of Learning (Volume 1).* New York, NY: Routledge.
5.4   **Peppler, K.**, Halverson, E. & Kafai, Y. (Eds.) (in progress, 2015). *Makeology: The Maker Movement and the Future of Learning (Volume 2).* New York, NY: Routledge.

Refereed works under review
6.1   Danish, J., **Peppler, K.**, Phelps, D., Andrade, A., & Whiting, J. (under review). The Impact of Disciplinary Framing Upon Early Elementary Students' Representational Critiques. *Cognition & Instruction.*

Invited works in press
7.1   **Peppler, K.** (in press). Informal music learning and making communities. In A. Ruthmann and R. Mantie (Eds.), *The Oxford Handbook of Technology and Music Education.* Oxford University Press.

Invited works in preparation
8.1   **Peppler, K.**, Resnick, M., Eidman-Aadahl, E., & Ito, M. (in preparation, 2015). *Make-to-Learn: Deepening and Broadening Learning through Making.* Cambridge, MA: MIT Press.
8.2   **Peppler, K.** (in preparation, 2015). Promoting Creativity and Innovation in Education. *Psychology of Aesthetics, Creativity, and the Arts (PACA).*

TALKS AND PRESENTATIONS

Refereed workshops, presentations and talks
9.1   Gresalfi, M., **Peppler, K.**, Barnes, J. (2014). Mining Student Designs for Evidence of Systems Thinking. Paper presentation at the American Educational Research Association (AERA), Philadelphia, PA.
9.2   Danish, J., **Peppler, K.**, Phelps, D., Andrade-Lotero, A., & Whiting, J. (2014). The Impact of Disciplinary Framing Upon Early Elementary Students' Representational Critiques. Paper presentation at the American Educational Research Association (AERA), Philadelphia, PA.
9.3   Tan, V. & **Peppler, K.** (2014). Design Thinking in Electronic Textiles. Paper presentation at the American Educational Research Association (AERA), Philadelphia, PA.
9.4   Hoadley, C., **Peppler, K.**, Santo, R., Ching, D., Gutierrez, K., Kafai, Y., Brahms, L., Halverson, E. (2014). Pathways, Trajectories, Ecologies, Oh my! Bridging Theories and Methods for Studying Youth Learning Lives. Symposium at the American Educational Research Association (AERA), Philadelphia, PA.
9.5   **Peppler, K.**, Glosson, D., & Bender, S. (2014). Lessons From the World of E-Textiles for the Connected Learning Movement. Symposium at the American Educational Research Association (AERA), Philadelphia, PA.
9.6   Keune, A., McKay, C., & **Peppler, K.** (2014). Prototype a design workshop for open maker portfolios. World Maker Faire, Bay Area.
9.7   Kafai, Y., Rusk, N., Burke, Q., Mote, C., **Peppler, K.**, Fields, D., Roque, R., Elinich,

K.,Telhan, O., & Magnifico, A. (2014). SYMPOSIUM: Motivating and Broadening Participation: Competitions, Contests, Challenges, and Circles for Supporting STEM Learning. International Conference of the Learning Sciences (ICLS), Boulder, CO.

9.8 Kisselburgh, L., Ramani, K. & **Peppler, K.** (2014). *Visually-integrated collaborative ideation: Changing the dynamics of creativity in design teams.* International Communication Association Annual Conference, Seattle, WA.

9.9 Santo, R. & **Peppler, K.** (2013). *Make-to-Learn.* Presentation at the 2013 Games, Learning and Society Conference, Madison, WI.

9.10 Shively, K. & **Peppler, K.** (2013). *Judging Creativity in New Digital Art Domains.* Paper at the 2013 American Educational Research Association (AERA) Conference, San Francisco, CA.

9.11 Eidman-Aadahl, E., **Peppler, K.**, Resnick, M., & Thomas, A. M. (2013). *Broadening Participation in Maker Communities.* Presentation at the Digital Media and Learning Conference, April 2013. Chicago, IL.

9.12 Buccholz, B., Shively, K. & **Peppler, K.** (2013). *The Art of Getting Unstuck: Tinkering to Support Creative Learning in Digital Art Practice.* Paper at the 2013 American Educational Research Association (AERA) Conference, San Francisco, CA.

9.13 Kafai, Y. & **Peppler, K.** (2013). *DIY Beyond the Screen: Creative, Critical, and Connected Making with E-Textiles.* Paper at the 2013 American Educational Research Association (AERA) Conference, San Francisco, CA.

9.14 **Peppler, K.** (2013). *E-Textiles, Physical Computing, and Arts Education "v2k".* Paper at the 2013 American Educational Research Association (AERA) Conference, San Francisco, CA.

9.15 **Peppler, K.** (2012). Computational Textiles as Materials for Creativity. Un-poster presentation at the Computing Education for the 21st Century (CE21) Conference. January 6, Washington DC.

9.16 **Peppler, K.**, Kafai, Y., Fields, D., Eisenberg, M., Buechley, L., Searle, K., & Hsi, S. (2012). *Tinkering with Tangibles: Electronic Textiles in Classrooms, Colleges, and Clubs.* Symposium at the 2012 Digital Media and Learning Conference, March 1-3 in San Francisco, CA.

9.17 **Peppler, K.**, Gresalfi, M., Shute, V., Salen, K., Pinkard, N., Siyahhan, S. & Santo, R. (2012). *Seeing the Bigger Picture: Supporting Systems Thinking through Designing Digital Systems.* Symposium at the 2012 American Educational Research Association (AERA) Conference, Vancouver, Canada.

9.18 **Peppler, K.**, Santo, R., Downton, M., Glosson, D., Shively, K., & Volk, C. (2012). *New Opportunities for Interest-Driven Arts Learning in a Digital Age.* Paper presented at the 2012 American Educational Research Association (AERA) Conference, Vancouver, Canada.

9.19 Downton, M., **Peppler, K.** & Bamberger, J. (2012). *Emerging Musical Sense-Making: Constructionism and collaboration in computer-aided music composition.* Paper presented at the 2012 American Educational Research Association (AERA) Conference, Vancouver, Canada.

9.20 Wohlwend, K. & **Peppler, K.** (2012). *Pink Technologies and Playful Pedagogies: Gender, Design, and Barbie Transmedia in Digital and Museum Spaces.* Paper presented at the 2012 American Educational Research Association (AERA) Conference, Vancouver, Canada.

9.21 **Peppler, K.**, Berland, M., Santo, R., Danish, J., Phelps, D., Gresalfi, M., & Barnes, J. (2012). *Fiddling on the Fly: Thinking, Learning, and Designing Using Board Games.* Symposium at the 2012 American Educational Research Association (AERA) Conference, Vancouver, Canada.

9.22 **Peppler, K.** & Santo, R. (2012). *Informal Learning Environments as 21st Century Pre-Service Learning Spaces for Teachers.* Paper presented at the 2012 American Educational Research Association (AERA) Conference, Vancouver, Canada.

9.23 Kafai, Y., **Peppler, K.**, Buechley, L., Fields, D., Searle, K., Eisenberg, M., Eisenberg, A., Huang, Y., & Danish, J. (2012). *Textile Messages: Dispatches from the World of E-Textiles and Education.* Symposium at the 2012 American Educational Research

Association (AERA) Conference, Vancouver, Canada.

9.24 Downton, M. P., **Peppler, K.** A., and Bamberger, J. (2012). Collaborative Meaning Making in Music: Youths' Discourse During Computer Aided Composition. Paper presented at the 2012 Music Educators National Conference (MENC) Music Creativity Special Research Interest Group. St. Louis, MO.

9.25 Danish, J., **Peppler, K.** & Phelps, D. (2011). *BeeSign: Designing to Support Mediated Group Inquiry of Complex Science by Early Elementary Students.* Paper presented at the 2011 American Educational Research Association (AERA) Conference.

9.26 Kafai, Y. & **Peppler, K.** (2011). Interactivity as a Lens on Youths' Computational Thinking in an Urban Game Design Studio. Paper presented at the 2011 American Educational Research Association (AERA) Conference.

9.27 Peppler K., Berland, M., Duncan, S., Games, A. and Gresalfi, M. (2011). Fostering Computational Thinking in Games and Gaming Communities. MacArthur Foundation's Digital Media and Learning Conference, Long Beach, CA.

9.28 **Peppler, K.** & Solomou, M. (2011). *Building Creativity: Collaborative Learning and Creativity in a Virtual Gaming Environment.* Paper presented at the 2011 American Educational Research Association (AERA) Conference.

9.29 **Peppler, K.** & Glosson, D. (2011). *Here, There and Everywear: Rhizomatic Activity Structures in an Online DIY Community of E-Textile Producers.* Paper presented at the 2011 American Educational Research Association (AERA) Conference.

9.30 **Peppler, K.**, Lindsay, E., Downton, M. & Hay, K. (2010). *The Nirvana Effect: Tapping Rhythmic Videogames to Leverage Learning and Motivation.* Paper presentation at the 2010 American Educational Research Association (AERA) Conference, Denver, CO.

9.31 **Peppler, K.**, Kafai, Y., Buechley, L., Eisenberg, M. & Gershenfeld, A. (2010). *Computational Textiles as New Media Texts: Digital Media Learning in Youth and DIY Communities.* For the first Digital Media and Learning Conference in La Jolla, California.

9.32 Lewin, C., Erstad, O., **Peppler, K.**, Greenhow, C., Crook, C., Naylor, S., Facer, K., Sorensen, B. H., Manchester, H., & Kahr-Hojland, A. (2010). *At the interface – building new relations between formal and informal learning.* Symposium at the 2010 European Conference on Educational Research (ECER), Helsinki, Finland.

9.33 **Peppler, K.** & Warschauer, M. (2010*). Uncovering Literacies, Disrupting Stereotypes: Examining the (Dis)Abilities of a Child Learning to Computer Program and Read.* Paper presentation at the 2010 American Educational Research Association (AERA) Conference, Denver, CO.

9.34 Kafai, Y., **Peppler, K.**, Resnick, M., Fields, D., Brennan, K. & Diazgranados, A. (2010). *Cultivating Creativity and Criticality in Schools and After-School Programs with Scratch.* For the first Digital Media and Learning Conference in La Jolla, California.

9.35 Kafai, Y., **Peppler, K.**, Resnick, M., & Brennan, K. (2010). *SCRATCH: Programming for Everyone.* Symposium at the Constructionism Conference, Paris, France.

9.36 Davis, H., **Peppler, K.** & Hickey, D. (2010). *Assessment Assemblage: Advancing Portfolio Practice Through the Assessment Stage Theory.* Paper presentation at the 2010 American Educational Research Association (AERA) Conference, Denver, CO.

9.37 Davis, H. & **Peppler, K.** (2010). *Voice Portfolios: Artistry in Assessment.* Paper presentation at the 2010 American Educational Research Association (AERA) Conference, Denver, CO.

9.38 **Peppler, K.**, Warschauer, M. & Diazgranados, A. (2009). *Creating a Culture of Game Designers in Elementary Classrooms and After-School Clubs.* Paper presentation at the 2009 American Educational Research Association (AERA) Conference, San Diego, CA.

9.39 **Peppler, K.**, Kafai, Y., Rusk, N., Beals, L., Bers, M., Breslow, G., Chapman, R., Martin, C., Barron, B., Wise, S., Millner, A., Rusk, N., Resnick, M., Cooke, S., Sylvan, E., & Cole, M. (2009). *The Computer Clubhouse Learning Model: Learning Inquiry, Collaboration, and the Development of 21st Century Skills in Informal Learning Spaces.* Symposium at the 2009 American Educational Research Association (AERA) Conference, San Diego, CA.

9.40 **Peppler, K.**, Downton, M. & Hay, K. (2009*). Building musical intuitions through video games: A performance analysis of Rock Band in after-school communities.* Paper

presentation at the 2009 American Educational Research Association (AERA) Conference, San Diego, CA.

9.41 **Peppler, K.**, Catterall, J., & Feilen, K. (2009). *Curtains Up! Revealing the Mechanisms of Transfer Between Drama and Academic English Language Development*. Paper presentation at the 2009 American Educational Research Association (AERA) Conference, San Diego, CA.

9.42 **Peppler, K. A.**, Downton, M. P., & Hay, K. (2009). *Turn That Noise Up: How Rock Band© Helps Youth Develop Rhythmic Intuitions.* Paper presented at the 2009 Society for Music Perception, Cognition, and Research Conference, Indianapolis, IN.

9.43 Feilen, K., **Peppler, K.** & Catterall, J.S. (2009). *Models for Evaluating the Impact School- and Community-Based Arts Programs.* Paper presented at the 2009 American Evaluation Association (AEA) Conference, Portland, OR.

9.44 Barab, S., **Peppler, K.**, Ingram-Goble, A., Dodge, T., & Solomou, M. (2009). *Identity Experiments: Using Narrative-Rich Games to bring Together Personal, Student, and Disciplinary Lifeworlds.* Paper presentation at the 2009 American Educational Research Association (AERA) Conference, San Diego, CA.

9.45 **Peppler, K.**, Hay, K., & Downton, M. (2008). *The Nirvana Effect: Tapping the Power of Video Games to Leverage Musical Interest*. Presentation at the 2008 Games, Learning, and Society (GLS) Conference, Madison, WI.

9.46 **Peppler, K.**, Diazgranados, A., Kafai, Y., & Fields, D. (2008). *Creating a Culture of Critical Game Designers in Elementary Classrooms and Clubs*. Presentation at the 2008 Games, Learning, and Society (GLS) Conference, Madison, WI.

9.47 **Peppler, K.** (2008). *Media Arts: Arts Education for the 21st Century.* Paper presentation at the 2008 American Educational Research Association (AERA) Conference, New York, NY.

9.48 **Peppler, K.** & Solomou, M. (2008). *The Virtual Builder: Scaffolding Creative Production through Game Play*. Presentation at the 2008 Games, Learning, and Society (GLS) Conference, Madison, WI.

9.49 **Peppler, K.** & Kafai, Y. (2008b). Creative Bytes for the Learning Sciences: The Technical, Creative and Critical Practices of Media Arts Production. Paper presentation at the 2008 American Educational Research Association (AERA) Conference, New York, NY.

9.50 **Peppler, K.** & Kafai, Y. (2008a). Creating A Culture of Design: A Closer Look at Role of Mediation and Local Practices in a Community Technology Center. Paper presentation at the 2008 American Educational Research Association (AERA) Conference, New York, NY.

9.51 Hayes, E., **Peppler, K.**, Kafai, Y., Games, I., Torres, R., Pinkard, N., Hooper, P., Klopfer, E., Scheintaub, H., Eugene, W., Daily, S., Ancholou, U., Barron, B., Forssell, K., Kennedy, C., Rogers, M., Takeuchi, L., Walter, S. & Zimmerman, E. (2008). New Perspectives on Learning Through Design. Symposium at the 2008 American Educational Research Association (AERA) Conference, New York, NY.

9.52 Yardi, S., Bruckman, A.S., Druin, A., Jeffries, R., Kafai, Y.B. & **Peppler, K.** (2007). Broadening the Field of Computing through a Design-Based HCI Curriculum. Position paper at the 2007 Grace Hopper Celebration of Women in Computing, Orlando, FL.

9.53 **Peppler, K.** (2007). Videogames and Interactive Art: New Genres and a New Era in Media Education. Paper presentation at the 2007 American Educational Research Association (AERA) Conference, Chicago, IL.

9.54 Tishler, B., Kirsch, J. & **Peppler, K.** (2007). Partnerships Serving up Arts as the Main Course! NETWORK's conference, Arts Education: Building Bridges through Arts Integration and Partnerships, Oakland, CA.

9.55 Kafai, Y., **Peppler, K.** & Chiu, G. (2007). Technology Fluency in Community Technology Centers: Challenges to Creating a Culture of Programming. Paper presented at the 2007 International Conference on Communities and Technologies, Michigan State University, East Lansing, MI.

9.56 **Peppler, K.** & Kafai, Y.B. (2007). What Video Game Making Can Teach Us About Literacy and Learning: Alternative Pathways into the Participatory Culture. Paper

presented at the 2007 Games, Learning, & Society (GLS) Conference, Madison, WI.
9.57   **Peppler, K.** & Catterall, J.S. (2007). Unraveling the Impacts of the Arts: Measuring Learning in the Arts for Cognitive Research, Program Evaluation, and Policy Analysis. Paper presentation at the 2007 American Educational Research Association (AERA) Conference, Chicago, IL.
9.58   Kafai, Y., Feldon, D., Giang, M., Quintero, M., Fields, D. & **Peppler, K.** (2007). Where in the World is the Science in Whyville? Informal Science in a Multi-User Virtual Community. Symposium at the 2007 American Educational Research Association (AERA) Conference, Chicago, IL.
9.59   Goode, J., Margolis, J., Kafai, Y., **Peppler, K.** & Chiu, G. (2007) "Beyond Point and Click": Opportunities and Challenges in Broadening the Participation in Computer Science in Inner-city High Schools and After-school Programs. Symposium at the 2007 American Educational Research Association (AERA) Conference, Chicago, IL.
9.60   Ching, C., Kafai, Y., Barron, B., Davis, A., **Peppler, K.**, Martin, C., Lewis, S., Yardi, S., Perkel, D., Leander, K., Wang, C., Hoadley, C., Honwad, S., & Tamminga, K. (2007). Technobiographies: Researching Life Stories with Technology. Interactive Symposium at the 2007 American Educational Research Association (AERA) Conference, Chicago, IL.
9.61   **Peppler, K.**, Catterall J.S. & Feilen, K. (2006). Towards a Unified Framework: A Model for Evaluating Arts Learning in Music, Drama, Visual Arts, and Dance. Paper presentation at the 2006 American Evaluation Association (AEA) Conference, Portland, OR.
9.62   **Peppler, K.** & Kafai Y. (2006). Programming with a Purpose: Opening the Back Door to Technology Literacy. Presentation at the 2006 "Thinking Gender" Conference, Los Angeles, CA.
9.63   Catterall, J.S. & **Peppler, K.** (2006). Measuring Learning in the Arts: Lessons learned from Survey, Observation, and Videotape Methodologies. Paper presented as part of a symposium, Measuring the Arts: Quantifying, Evaluating, and Understanding, Symposium presentation at the 2006 American Evaluation Association (AEA) Conference, Portland, OR.

Invited workshops, presentations and talks
10.1   **Peppler, K.**, Dorph, R., Martin, L., & Vossoughi, S. (2014). Research + Evaluation: Making Educational Outcomes. Intel's Making Possibilities Workshop, San Francisco, CA.
10.2   **Peppler, K.** (2014). Connected Learning and Libraries: At the Intersection of the Arts, Media, New Technologies, and Informal Learning. Association of Specialized and Cooperative Library Agencies (ASCLA)'s President's Program at the ALA Annual Conference in Las Vegas, NV.
10.3   **Peppler, K.** & Ramani, K. (2014). New Tools to Foster Creative Collaboration During Design. Distinguished Lecture at the National Science Foundation, Washington DC.
10.4   Kumpulainen, K., Sefton-Green, J., Brennan, K., Mikkola, A., **Peppler, K.**, & Soep, E. (2014). INVITED SESSION: Learning and Becoming through Making and Participatory Media. International Conference of the Learning Sciences (ICLS), Boulder, CO.
10.5   **Peppler, K.** (2014). Art & Artifacts in Constructionist Learning. Plenary at the Constructionism Conference, Vienna, Austria.
10.6   **Peppler, K.** (2014). Extending our reach with technology in arts and arts education. Americans for the Arts Conference, Nashville TN.
10.7   Culatta, R., **Peppler, K.**, Crowley, K., & Warschauer, M. (2014). Smithsonian *Digital Directions in Learning* Series on February 26, 2014.
10.8   **Peppler, K.** (2013). Cultivating Computational Thinking in Youth Communities. Invited presentation at the Korea Foundation for the Advancement of Science and Creativity Conference, Seoul, South Korea.
10.9   **Peppler, K.** (2013). STEAM-Powered Computing: Arts, crafts, and new media. Invited presentation at CODING AND CREATIVITY: programming, computational thinking and the arts in schools. A policy and practice summit presented by the London Knowledge Lab and D|A|R|E (Institute of Education); the Observer; the RSA; and Creativeworks London. London, UK.

10.10 **Peppler, K.** (2013). Broadening Participation through E-Textile Creation. Invited presentation for the Learning Labs convening, Pittsburgh, PA.

10.11 Resnick, M., Brennan, K. & **Peppler, K.** (2013). Host and participant on "Coding is for Everybody: Learning Through Creating, Personalizing, Sharing, and Reflecting" a month-long webinar on the Connected Learning Network, sponsored by the DML Research Hub.

10.12 **Peppler, K.** (2013). The Grinding New Lenses Project: Short Circuits designing with and for educators. Presentation at the NSF Intersections Summer Designs Institute, hosted by the National Writing Project and the Association of Science-Technology Centers, Denver, CO.

10.13 **Peppler, K.** (2013). Textile Messages: Dispatches from the World of E-Textiles and Education. Invited Presentation at the 2013 Mini University, Indiana University, Bloomington, IN.

10.14 **Peppler, K.** (2013). New Opportunities for Interest-Driven Arts Learning in a Digital Age. Invited Presentation at the National Guild for Community Arts Education. Chicago, IL.

10.15 **Peppler, K.** (2013). Evidence of Interest-Driven Learning in a Digital Age. Invited Keynote presentation at the Cyberlearning Synthesis and Envisioning Meeting, June 26-27, 2013. Washington, DC.

10.16 **Peppler, K.** (2013). Broadening Participation with E-Textiles. Invited Presentation at the Maker Faire Bay Area on May 18, 2013.

10.17 **Peppler, K.** (2013). New Opportunities for Design Research: The Hive Networks and Broader DML Community. Invited presentation at the Connected Learning Research Network meeting, Boston, MA.

10.18 **Peppler, K.** (2013). Learning by Making in a Digital Age. Presentation to IUMakes in March, 2013, Bloomington, IN.

10.19 **Peppler, K.** (2012). *Learning and Doing by Making in High-Tech Textile Design.* Invited presentation on the MacArthur Foundation's Connected Learning TV series. Available at http://connectedlearning.tv/kylie-peppler-high-tech-textile-design-learning-doing-and-making

10.20 Wolfenstein, M., Zimmerman, E., Malaby, T., Halverson, E., Simkins, D., Martin, C. & **Peppler, K.** (2012). *You put your right foot in…* Invited session at that Games, Learning, and Society (GLS) conference in Madison, WI on April 15, 2012.

10.21 **Peppler, K.** (2012). Evidence of Interest-Driven Arts Learning in a Digital Age. Invited talk by the University of Illinois, Chicago (UIC). Chicago, IL,

10.22 **Peppler, K.** (2012). *New Opportunities for Interest-Driven Arts Learning in a Digital Age.* Invited talk by the National Art Education Association Museum Division Preconference, Metropolitan Museum of Art, New York, NY.

10.23 **Peppler, K.** & Eidman-Aadahl, E. (2012). Short Circuits: Scaling with and for teachers. Invited talk at the John D. and Catherine T. MacArthur Foundation in Chicago, IL.

10.24 **Peppler, K.** (2012). *Learning and Achieving through the Arts (LATA) Evaluation.* Invited talk at Inner-City Arts, Los Angeles on August 28, 2012.

10.25 Catterall, J. & **Peppler, K.** (2011). *How Arts Rich Environments Impact Achievement.* Cleveland Metropolitan School District. Televised Public Broadcast, Cleveland, OH.

10.26 **Peppler, K.** (2011). *Materializing Design Thinking with E-Textiles Education.* Invited Talk at the Stanford University REDlab's Forum on Design Thinking, Palo Alto, CA.

10.27 **Peppler, K.** (2011). *E-Textiles for Interest-Driven Arts Learning in the Digital Age.* Invited Talk at the University of Pennsylvania, Philadelphia, PA.

10.28 **Peppler, K.** (2011). *Art, Artifact, and Discourse.* Keynote at the keynote talk at the Indiana University Discourse Analysis in Educational Research Conference.

10.29 **Peppler, K.** (2011). *New Opportunities for Self-Directed Arts Learning in a Digital Age.* Invited Talk at the Wallace Foundation, New York.

10.30 Danish, J., **Peppler, K.** & Johnson, K. (2011). Invited Panel for the EC Moore Symposium, Indiana University, Indianapolis.

10.31 **Peppler, K.** (2011). *IN|FORMAL learning: Reconceptualizing the divide between in and out-of-school learning practices.* Invited presentation at the Indiana University School of Education's "First Fridays" faculty research seminar.

10.32 Baldwin, T., Haynes, R., Reigeluth, C., **Peppler, K.** & Stolterman, E. (2010). Invited *Key Panel*

          Discussion at the IST Conference on Design and Technology for Teaching, Learning, and Working, Bloomington, IN.

10.33   **Peppler, K.** (2010a). E-textiles Workshop. Invited Workshop at the National Writing Project *NWP Makes! event.*

10.34   **Peppler, K.** (2010b). *E-textiles: Moving Beyond the Screen.* Invited Workshop at the Purdue University SPIRIT Summer Camp for disadvantaged youth.

10.35   **Peppler, K.** (2010c). *E-Textiles: Moving Beyond the Screen.* Invited Workshop at the Indiana Women in Computing Conference, Spencer, IN.

10.36   **Peppler, K.** (2010d). Invited talk at the Kick-off Colloquium for the *20Under40* book release, Boston, MA.

10.37   **Peppler, K.** (2010e). *Predicted Contributions of Scaling Learning in Music, Drama, Visual Arts, and Dance for Neuroimaging-Based Learning Studies.* Invited Presentation at the International School on Mind, Brain and Education (MBE), Ettore Majorana Foundation and Centre for Scientific Culture, Erice, Sicily, Italy.

10.38   **Peppler, K.**, Babcock, E., Panganiban, R., & Erickson, I. (2010). Creating Connections and Promoting Networks. Panel at the 2010 Webwise Pre-Conference Events, Denver, CO.

10.39   **Peppler, K.** (2008). *The Computer Clubhouse Model: Creativity and Constructionism in the After-School Hours.* Invited presentation to the Hennepin Library Association, Minneapolis, MN.

10.40   **Peppler, K.** & Kafai, Y. (2008). *What exactly are kids learning in Scratch? Observations from the Clubhouse.* Invited Presentation at the 2008 Scratch@MIT Conference, Boston, MA.

10.41   Kafai, Y., **Peppler, K.** & Chapman, R. (2008). *The Computer Clubhouse Book: A Sneak Preview.* Invited Presentation at the 2008 Annual Computer Clubhouse Conference Celebrating the 15th Anniversary of the Computer Clubhouse Network, Miami, FL.

10.42   **Peppler, K.** (2008). *In Dialogue: Links Between Drama and Academic English Language Development of At-Risk Youth.* Keynote at the 2008 International Conference Celebrating the 60th Anniversary of the State of Israel, Bar-Ilan University, Israel.

10.43   **Peppler, K.** (2005). *Growing up Gifted.* Keynote at the 2005 Indiana Department of Education/Indiana Association for the Gifted Conference, Indianapolis, IN.

CREATIVE PRODUCTIONS

11.1   2014- *present*   Design of Lab website: www.creativitylabs.com

11.2   2011– *present*   Design of personal website to highlight research and disseminate information to the field www.kpeppler.com

11.3   2010 - *present*   BeeSim: Interactive Bee Game (http://www.instructables.com/id/Interactive-Bee-Game/); (http://www.youtube.com/watch?v=KxjAAmNGJS4); (http://www.instructables.com/id/Interactive-Bee-Game/)

11.4   2009 – *present* Computational Textiles as Materials for Creativity (Active Blog site: http://computationaltextiles.blogspot.com/)

11.5   2012 - 2013   Make-to-Learn website: www.m2l.indiana.edu

11.6   2010 - 2013   LilyPond http://lilypond.media.mit.edu/

11.7   2010   Tutorial for XBee Arduino API (http://www.instructables.com/id/Configuring-XBees-for-API-Mode/step5/XBee-Arudino-API/)

11.8   2010   Tutorial for Wireless Dance Costume (http://www.instructables.com/id/Wireless-Dance-Costume/)

11.9   2010   Tutorial for Simple Circuit Pillows with Conductive Velcro

11.10   2010   Simple Circuit Collaborative Quilt

11.11   2010   Tutorial for Simple Circuit Bracelet

11.12   2010   Tutorial for Programmable LilyPad EL-Wire Dress (http://www.instructables.com/id/Programmable-LilyPad-EL-Wire-Dress/)

11.13   2010   Tutorial for LilyPad Wrist Band POV (http://www.instructables.com/id/LilyPad-Wrist-Band-POV/);

(http://blog.craftzine.com/archive/2010/03/lilypad_arduino_pov_wristband.html);
(http://blogs.craftzine.com/archive/author/becky_stern/ ?limit=10&offset=456)
11.14 2010   Tutorial for Latch-Modified Turn-Signal Jacket
        (http://www.instructables.com/id/Latch-Modified-Turn-Signal-Jacket/)
11.15 2010   Tutorial for E-paper Airplane
11.16 2010   Tutorial for E-crane
11.17 2010   Tutorial for creating a Full Demonstration of all LilyPad Components
        (http://www.instructables.com/id/Full-Demonstration-of-all-LilyPad-components/)
11.18 2008   Media Village: Media literacy world within Quest Atlantis
        (http://atlantis.crlt.indiana.edu)
11.19 2004 – 2008   Scratch: A New Visual Programming Language for All
        (www.scratch.mit.edu)

RESEARCH AWARDS RECEIVED
12.1   Outstanding Junior Faculty Award from Indiana University (2014). The awards, presented
       by the Office of the Vice Provost for Research and the Office of the Vice Provost for
       Faculty and Academic Affairs, honor tenure-track faculty who have begun to develop
       nationally recognized research or scholarship programs and devoted productive time to
       teaching and service, but who have not yet achieved tenure.
12.2   American Educational Research Association (AERA) Highest Ranked Paper Submission
       Award in the Peace Education Special Interest Group (SIG) (2011).
12.3   American Educational Research Association (AERA) Best Emerging Media Paper in the
       Media, Culture & Curriculum (MCC) Special Interest Group (SIG) (2011).
12.4   Indiana Governor's Award for Tomorrow's Leaders (2009). Top Award given to
       outstanding young leaders in the state of Indiana that have shown exemplary leadership
       under the age of 30.
12.5   Honorable Mention in Prixars Electronica in Community Art for work on the Scratch
       Online Community (*www.scratch.mit.edu*) (2008). One of the highest international
       awards in the digital arts community.
12.6   Top Paper at the Special Interest Group on Computer Science Education (SIGCSE)
       Conference (2008).
12.7   UC Presidential Postdoctoral Fellowship (2007-2008).
12.8   Spencer Dissertation Fellowship for Research Related to Education (2006-2007).

FUNDING UNDER REVIEW
13.1   **Peppler, K.** (under review, $713,221). CAREER: Designing the Social Construction of
       Electronics and Computing Toolkits to Broaden Participation and Deepen Learning.
13.2   Magerko, B., Freeman, J. & **Peppler, K.** (under review, $1,500,000). Authentic STEAM-
       based Computer Science Education in a Large and Diverse High School District.
       Proposal under review at The National Science Foundation.
13.3   **Peppler, K.** & Klopfer, E. (under review, $200,000). RAPID: Collaborative Research:
       Computational Thinking Pathways in South Fayette School District and Nearby Partner
       Schools. The National Science Foundation.
13.4   **Peppler, K.** (under review, $3,200,000) The Design Research Center. Proposal under
       review at the John D. and Catherine T. MacArthur Foundation's Digital Media and
       Learning Program.
13.5   **Peppler, K.**, Zych, A. & Wilkenson, K. (under review, $108,214). Transmedia Science
       Learning: Empowering Lifelong Learning Across Informal Spaces. National Science
       Foundation.
13.6   **Peppler, K.** ($500,000 with a subcontract of $100,000; September 2014 – August 2018).
       Professional Development in Arts Education. Center for Contemporary Arts (COCA).
13.7   **Peppler, K.** ($2,000,000 with a subcontract of $283,608; September 2014 – August
       2018). LATA-SPICE Arts Education Model Development and Dissemination Grant: Inner-
       City Arts/LAUSD. Proposal under review with the U.S. Department of Education.
13.8   **Peppler, K.** ($120,000). BigBoxPlay: Designing for Creative Play. Pete Moffett, CEO,
       BigBoxPlay.

RECOMMENDED (PENDING FINAL CONTRACTS)

14.1   **Peppler, K.** & Gresalfi, M. (Recommended, $1,500,000). COLLABORATIVE: Re-Crafting Mathematics Education: Designing Tangible Manipulatives Rooted in Traditional Female Crafts. The National Science Foundation.

14.2   **Peppler, K.** ($60,000; August 2014-December 2014). Studying the Cities of Learning in Chicago, IL. Funding from DePaul University.

GRANTS RECEIVED

15.1   **Peppler, K.**, Danish, J., & Moczek, A. ($999,988; August 2013-July 2017). BioSim: Developing a Wearable Toolkit for Teaching Complex Science Through Embodied Play. Grant from The National Science Foundation.

15.2   Maker Education Initiative & **Peppler, K.** ($260,000 with a sub-contract of $69,500; September 2013 – December 2014). Maker Ed Open Portfolio Project. Grant from The Gordon and Betty Moore Foundation.

15.3   **Peppler, K.**, Hoadley, C., Santo, R. & Ching, D. ($350,000; June 2013-May 2015). Hive Research Lab: Researching Hive NYC as a Regional Learning Ecosystem. Grant from The New York City Trust.

15.4   **Peppler, K.** ($40,000, December 2012-May 2014). Make-to-Learn. The Digital Media and Learning Hub at the University of California, Irvine.

15.5   **Peppler, K.** ($60,000; August 2012-July 2014). Consultant on the Visually Integrated Cyber Exploratorium for Design (V-ICED) at Purdue University. Sub-Contract on a grant from the National Science Foundation to Karthik Ramani.

15.6   **Peppler, K.** ($1,900,000 with a subcontract of $102,503; September 2010 – December 2014). LATA Arts Education Model Development and Dissemination Grant: Inner-City Arts/LAUSD. Grant from the U.S. Department of Education.

15.7   **Peppler, K.** ($70,000; January 2011-January 2012). New Opportunities for Self-Directed Arts Learning in a Digital Age. Grant from the Wallace Foundation.

15.8   Kafai, Y., **Peppler, K.**, & Buechley, L. ($896,000; August 2009 – July 2013). Creative IT – COLLABORATIVE – MAJOR: Computational Textiles as Materials for Creativity: Participatory Design Communities in Afterschool and Classroom Programs for Economically-Disadvantaged Youth (IIS-0855886). Grant from the National Science Foundation.

15.9   **Peppler, K.**, Barab, S., & Klopfer, E. ($899,000; August 2009 – July 2013). Major: Transactive Art: An Inclusive Game-Based Programming Context. Grant from the National Science Foundation.

15.10   Danish, J. & **Peppler, K.** ($59,000; August 2010 - July 2012). Communicating Across the Curriculum: Studying Students' Use of Drawings, Graphs, and Text in Diverse Disciplines. Grant from the Indiana University Faculty Research Support Program (FRSP).

15.11   **Peppler, K.** ($42,000; August 2009 – July 2011). Creativity Labs: Exploring Textiles as Materials for Digital Learning and Creativity in Economically Disadvantaged, Afterschool Communities. Maris M. and Mary Higgins Proffitt Fund.

15.12   Barab, S., Gresalfi, M.S., **Peppler, K.**A., & Hickey, D. ($1,839,000; January 2008-December, 2010). Scaling out virtual worlds: Growing a 21st century curriculum. Grant from the John D. and Catherine T. MacArthur Foundation's Digital Media and Learning Program.

15.13   Kafai, Y., **Peppler, K.**, Buechley, L. & Eisenberg, M. ($50,000; November 2009 – December 2010). Beyond the Screen: Examining the Participatory Challenges of Computational Crafts for DIY Youth Communities. Grant from the University of California's Humanities Research Institute and the MacArthur Foundation's Digital Media and Learning Program.

15.14   **Peppler, K.** ($19,000; August 2009 – July 2010). In Harmony: Connecting children in the US and Israel to foster musical learning and cross-cultural understanding. Fund for the Advancement of Peace and Education.

15.15   **Peppler, K.** ($42,500; July 2007 - December 2007). Uncovering Literacies, Disrupting

Stereotypes: Media Arts Practices of Youth with (Dis)Abilities. Postdoctoral Fellowship from the Office of the President, University of California.

15.16 **Peppler, K.** ($20,000; August 2006 – July 2007). Creative Bytes: Literacy and Learning in the Media Arts Practices of Urban Youth. Dissertation Research Award from the Spencer Foundation.

15.17 Catterall, J. & **Peppler, K.** ($885,000 with a subcontract to UCLA of $184,000; 2006 - 2008). Arts in the Middle (AIM): Arts in Education Model Development and Dissemination (AEMDD). Grant from the U.S. Department of Education to LAUSD District Four.

MEDIA COVERAGE
Research

2014   Profile in IU Bloomington Newsroom: Indiana University Bloomington presents Outstanding Junior Faculty Awards. Available at http://news.indiana.edu/releases/iu/2014/03/outstanding-junior-faculty-awards.shtml

2011   Book Review of the 20Under40 Edited Volume: Funk, C. (2011). Things to come, things already done: a review of 20UNDER40: Reinventing the Arts and Arts Education for the 21st Century. *Visual Inquiry*, (1)1, p. 71-75(5): http://www.ingentaconnect.com/content/intellect/viq/2011/00000001/00000001/art00009;jsessionid=ghwt4tu55qai.alice

2011   Book Review on The Computer Clubhouse: Curran, C. (2011). Book Review of the Computer Clubhouse: Creativity and Constructionism in Youth Communities. *E–Learning and Digital Media*, (8)1, p. 86-89: http://www.wwwords.co.uk/pdf/freetoview.asp?j=elea&vol=8&issue=1&year=2011&article=10_Book_reviews_ELEA_8_1_web

2010   Teachers College Record book review of The Computer Clubhouse: Guzzetti, B. (2010). Book Review of the Computer Clubhouse: Creativity and Constructionism in Youth Communities. *Teachers College Record.*

2010   Chalkboard: Research Awards, Honors, Appointments for Faculty (Spring, 2010): http://education.indiana.edu/alumni-friends/docs/Chalkboard_spring-2010.pdf (Last accessed: Aug. 16, 2014)

2010   *Indiana Education* (i.e.): Governor's Award Honors School of Education Faculty Member (January 2010): http://portal.education.indiana.edu/Portals/106/iepdf/January,%202010.pdf (Last accessed: Aug 16, 2014)

2010   Chalkboard (Winter, 2010): Faculty members publish, receive honors http://education.indiana.edu/alumni-friends/docs/Chalkboard_winter-2010.pdf

2010   Chalkboard (Spring 2010): Grants Fund New Research http://education.indiana.edu/alumni-friends/docs/Chalkboard_spring-2010.pdf

2010   Indiana University Coverage of the MacArthur Grant on Systems Thinking http://newsinfo.iu.edu/news/page/normal/13104.html (Last accessed: Aug. 16, 2014)

2009   Front page of Bloomington Herald Times: Education professor wins state award for innovation, inspiration (December 27, 2009): http://www.cs.indiana.edu/inwic/2010/peppler.pdf (Last accessed: Aug. 16, 2014)

2007   Videogame Visionary: Video coverage of DiGRA conference presentation http://www.dailymotion.com/video/x38cx2_digra-2007-coverage-kylie-peppler-o_news (Last accessed: Aug. 16, 2014)

2006   European broadcast of Les Effets de l'éducation aux Arts Visuels. Kylie Peppler and James Catterall present on learning in the visual arts and worldviews of young children: http://www.newmedia-arts.eu/streaming/symposium/sessiona4.htm. (Last accessed: Aug. 16, 2014)

Teaching

PUBLICATIONS: BOOKS, PAPERS AND OTHER CONTRIBUTIONS

Refereed books
16.1   **Peppler, K.**, <u>Santo, R.</u>, Salen, K., & Gresalfi, M. (2014). *Script Changers: Digital Storytelling with Scratch.* Cambridge, MA: MIT Press.
16.2   **Peppler, K.**, Salen, K., Gresalfi, M. & <u>Santo, R.</u> (2014). *Short Circuits: Crafting E-Puppets with DIY Electronics.* Cambridge, MA: MIT Press.
16.3   **Peppler, K.**, Gresalfi, M., Salen, K., & <u>Santo, R.</u> (2014). *Soft Circuits: Crafting E-Fashion with DIY Electronics.* Cambridge, MA: MIT Press.
16.4   Salen, K., Gresalfi, M., **Peppler, K.**, & <u>Santo, R.</u> (2014). *Gaming the System: Designing with Gamestar Mechanic.* Cambridge, MA: MIT Press.
16.5   Wohlwend, K. & **Peppler, K.** (in preparation). *The Design Playshop Model: A new model of apprenticeship and research in higher education.* Teachers College Record: Teachers College Record.

Invited books
17.1   Garcia, A., Cantrill, C., Filipiak, D., Hunt, B., Lee, C., Mirra, N., O'Donnell-Allen, C., & **Peppler, K.** (2014). *Teaching in the Connected Learning Classroom.* Irvine, CA: Digital Media and Learning Research Hub.

Refereed journal articles
18.1   **Peppler, K.** & <u>Santo, R.</u> (under review). The Power of Afterschool Community Placements: 21st Century Skills and Pre-Service Teacher Education. *Journal of Teacher Education.*
18.2   Portowitz, A., **Peppler, K.**, <u>Downton, M.</u> & Lichtenstein, O. (2014). In Harmony: A Technology-based Music Education Program designed to improve children's musical understanding, cognitive skills, and inter-cultural understanding. *International Journal of Music Education,* 32(2), pp. 242 – 260.
18.3   Kafai, Y. B., <u>Desai, S.</u>, **Peppler, K.**, <u>Chiu, G.</u> & <u>Moya, J.</u> (2008). Mentoring Partnerships in a Community Technology Center: A Constructionist Approach for Fostering Equitable Service Learning. *Mentoring & Tutoring*, 16(2), pp. 194-201.

Refereed chapters, conference proceedings, and other contributions
19.1   <u>McKay, C.</u> & **Peppler, K.** (2013). *MakerCart: A Mobile Fab Lab for the Classroom.* Position Paper at the Interaction Design for Children Conference (IDC), New York, NY.
19.2   **Peppler, K.** & <u>McKay, C.</u> (2013). *Broadening Participation and Issues of Inclusion and Accessibility in Making.* Paper at the Interaction Design for Children Conference (IDC), New York, NY.
19.3   Kafai, Y. & **Peppler, K.** (2011). *Beyond Small Groups: New Opportunities for Research in Computer-Supported Collective Learning.* Published in the proceedings of the 2011 Computer-Supported Collaborative Learning (CSCL) Conference. Hong Kong, China.
19.4   **Peppler, K.** (2010b). The New Fundamentals: Introducing Computation into Arts Education. In E. P. Clapp & M. J. Bellino (Eds.) *20Under40: Reinventing the Arts and Arts Education for the 21st Century*, Bloomington, IN: AuthorHouse.

Invited chapters
20.1   **Peppler, K.** (2014). Foreword. In A. Garcia (ed.), *Teaching in the Connected Learning Classroom.* Irvine, CA: Digital Media and Learning Research Hub. Available at: <u>http://www.nwp.org/cs/public/print/book/teaching_in_the_connected_learning_classroom</u>

Refereed Talks and Presentations
21.1   **Peppler, K.**, <u>Santo, R.</u>, Cloud, J., Rufo-Tepper, R., O'Keefe, D., Midolo, C. & Cantrill, C. (2013). *Whole School Approaches to Systems Thinking.* Symposium chair at the 2013 American Educational Research Association (AERA) Conference, San Francisco, CA.
21.2   Eidman-Aadahl, E., **Peppler, K.**, Resnick, M., & Thomas, A. M. (2013). *Broadening Participation in Maker Communities.* Presentation at the Digital Media and Learning Conference, April 2013. Chicago, IL.
21.3   **Peppler, K.**, <u>Santo, R.</u>, <u>Downton, M.</u>, <u>Glosson, D.</u>, <u>Shively, K.</u>, & <u>Volk, C.</u> (2012). *New*

Opportunities for Interest-Driven Arts Learning in a Digital Age. Paper presented at the 2012 American Educational Research Association (AERA) Conference, Vancouver, Canada.

21.4   Downton, M. & **Peppler, K.** (2011). *Pieces for Peace: Using Impromptu to Build Musical and Cross-Cultural Understanding.* Paper presented at the 2011 American Educational Research Association (AERA) Conference.

21.5   Lewin, C., Erstad, O., **Peppler, K.**, Greenhow, C., Crook, C., Naylor, S., Facer, K., Sorensen, B. H., Manchester, H., & Kahr-Hojland, A. (2010). *At the interface – building new relations between formal and informal learning.* Symposium at the 2010 European Conference on Educational Research (ECER), Helsinki, Finland.

21.6   **Peppler, K.**, Kafai, Y., Rusk, N., Beals, L., Bers, M., Breslow, G., Chapman, R., Martin, C., Barron, B., Wise, S., Millner, A., Rusk, N., Resnick, M., Cooke, S., Sylvan, E., & Cole, M. (2009). *The Computer Clubhouse Learning Model: Learning Inquiry, Collaboration, and the Development of 21st Century Skills in Informal Learning Spaces.* Symposium at the 2009 American Educational Research Association (AERA) Conference, San Diego, CA.

21.7   Tishler, B., Kirsch, J. & **Peppler, K.** (2007). Partnerships Serving up Arts as the Main Course! NETWORK's conference, Arts Education: Building Bridges through Arts Integration and Partnerships, Oakland, CA.

21.8   Kafai, Y., **Peppler, K.** & Chiu, G. (2007). Technology Fluency in Community Technology Centers: Challenges to Creating a Culture of Programming. Paper presented at the 2007 International Conference on Communities and Technologies, Michigan State University, East Lansing, MI.

21.9   Kafai, Y., Desai, S., **Peppler, K.**, Chiu G. & Moya, J. (2007) Mentoring Partnerships in a Community Technology Center: A Constructionist Approach for Fostering Equitable Service Learning. Presentation at the 5th Annual CAFÉ Conference sponsored by the Paulo Freire Institute, University of California, Los Angeles, CA.

21.10   Kafai Y., **Peppler, K.**, Chiu, G. & Desai, S. (2006). Programming Partnerships: A Constructionist Approach to Teaching Computer Programming Through Service Learning. Paper presented at the 2006 Conference on Service Learning in Engineering, Washington D.C.

21.11   Desai, S., Kafai, Y., **Peppler, K.**, & Chiu, G. (2006). What is a Mentizo? A Contructionist Approach to Mentoring. Paper Presentation and abstract published in the 2006 American Educational Research Association (AERA) Conference, San Francisco, CA.

List of invited workshops, presentations and talks

22.1   **Peppler, K.** & Danish, J. (2014). BioSim Workshop for Fifth Grade Teachers. Wonderlab Museum Teaching Institute, Bloomington, IN.

22.2   **Peppler, K.** & Gresalfi, M. (2013). Understanding Systems through eTextile (Puppet) Design. Invited workshop at the National Writing Project Annual Meeting, Boston, MA.

22.3   **Peppler, K.** (2013). STEAM-Powered Computing: Arts, crafts, and new media. Invited presentation at CODING AND CREATIVITY: programming, computational thinking and the arts in schools. A policy and practice summit presented by the London Knowledge Lab and D|A|R|E (Institute of Education); the Observer; the RSA; and Creativeworks London. London, UK.

22.4   **Peppler, K.** (2013). Broadening Participation through E-Textile Creation. Invited presentation for the Learning Labs convening, Pittsburgh, PA.

22.5   **Peppler, K.** (2013). Make-to-Learn in Libraries. Invited Keynote for the 2013 American Library Association's Virtual Conference.

22.6   **Peppler, K.** (2013). Make-to-Learn in Afterschool Spaces. Build, Create and Innovate: Strategies for Engaging Youth Through Making – Afterschool Alliance webinar.

22.7   Santo, R. & **Peppler, K.** (2012) *Grinding New Lenses: Seeking coherence in a digital age.* Invited workshop at the National Writing Project (NWP) Annual Meeting.

22.8   **Peppler, K.** & Santo, R. (2012). *Grinding New Lenses Hands-On Workshop.* Invited presentation at the National Writing Project (NWP) Annual Meeting.

22.9   **Peppler, K.** (2012). Interest-Driven Learning. Invited workshop at the LDC Meeting

hosted jointly by the John D. and Catherine T. MacArthur Foundation and the Gates Foundation in Chicago, IL.

22.10 **Peppler, K.** & <u>Santo, R.</u> (2012). Short Circuits: Crafting with DIY Electronics. Invited Presentation at the Maker Faire in New York, NY on September 24, 2012.

22.11 **Peppler, K.** (2012). *Learning and Achieving through the Arts (LATA) Evaluation*. Invited talk at Inner-City Arts, Los Angeles on August 28, 2012.

22.12 **Peppler, K.** & Catterall J. (2011). Assessment Workshop for 20 Premier Arts Specialty Schools (PASS) Teachers. Cleveland, OH.

22.13 **Peppler, K.** (2011). *Learning and digital technology*. Invited session as part of The Wallace Foundation's Reimagining the School Day: A Forum on More Time for Learning, held May 16-17 in Washington, D.C.

22.14 **Peppler, K.** (2010a). E-textiles Workshop. Invited Workshop at the National Writing Project *NWP Makes! event.*

22.15 **Peppler, K.** (2010b). *E-textiles: Moving Beyond the Screen.* Invited Workshop at the Purdue University SPIRIT Summer Camp for disadvantaged youth.

22.16 **Peppler, K.** (2010c). *E-Textiles: Moving Beyond the Screen.* Invited Workshop at the Indiana Women in Computing Conference, Spencer, IN.

22.17 **Peppler, K.** (2010d). *The Computer Clubhouse Model: Creativity and Constructionism in the After-School Hours*. Talk at the AERA Invited Session: Learning in Out of School Contexts: Opportunities for Research and Practice.

22.18 **Peppler, K.** (2010g). Grinding New Lenses. Invited presentation at the School of Education alumni board meeting presentation.

22.19 **Peppler, K.** (2009). *What exactly are kids learning in Scratch? Observations from the Clubhouse.* Invited Presentation, Irvine, CA.

22.20 Kafai, Y.B., Raessens, J., Copier, M., von Mastrigt, J., Deterding, S., Dubbelman, T., Fields, D., **Peppler, K.**, Renger, W.J., Millenaar, K., Hrehovcsik, M., Ritterfeld, U., Wang, H., & Ratan, R. (2008). *Serious Games in the Learning Sciences: Making International Connections.* Invited Workshop at the 2008 International Conference of the Learning Sciences (ICLS), Utrecht, Netherlands.

TEACHING AWARDS RECEIVED

23.1 "Be Great!" Award Recipient from the Boys and Girls Clubs of Bloomington in recognition for volunteer work technology lab work (2012).

23.2 Group Volunteer of the Year (2008) at the Boys and Girls Clubs of Bloomington for outstanding service to the organization.

23.3 Certificate of appreciation from Youth Opportunities Unlimited Charter School in Los Angeles, CA, for curricular development.

23.4 Certificate of appreciation from the Computer Clubhouse in South Los Angeles, CA, for programming and mentoring around Scratch.

FUNDING UNDER REVIEW

24.1 **Peppler, K.** (under review, $900,000) Scaling the Grinding New Lenses Project. Proposal under review at the John D. and Catherine T. MacArthur Foundation's Digital Media and Learning Program.

GRANTS RECEIVED

25.1 **Peppler, K.** ($30,000; September 2014-August 2015). Designing the Connected Commons. The DML Hub at the University of California, Irvine.

25.2 **Peppler, K.**, Gresalfi, M., Salen, K., & Pinkard, N. ($727,000; January 2010 – December 2013). Grinding New Lenses: A Systems Approach to Curriculum for Schools and After-School Spaces. Grant from the John D. and Catherine T. MacArthur Foundation's Digital Media and Learning Program.

25.3 **Peppler, K.** ($40,000; May – August, 2013). Textbook Collection Color Supplement. Grant from the John D. and Catherine T. MacArthur Foundation's Digital Media and Learning Program.

25.4 **Peppler, K.** ($66,017; May – August, 2013). Chicago Summer of Learning. Grant from

The Chicago Community Trust.

25.5   **Peppler, K.** ($20,000; June 2010 - June 2013). Research Experience for Undergraduates (REU) – NSF Supplement to Computational Textiles - IIS-0855886. Grant from the National Science Foundation.

25.6   **Peppler, K.** ($200,000 with a subcontract of $25,000; May 2012 – August 2013). Systems Thinking: Seeking Coherence to the Digital Age. Grant from the Indiana Department of Education.

25.7   Hickey, D., **Peppler, K.**, & Danish, J. ($75,000; August 2009 – July 2011). Proposal for Development and Implementation of a New Online Certificate Program in Learning Sciences, Media and Technology. IDEA Grant.

25.8   **Peppler, K.** ($2,500; September 2010). Visiting Fellowship to bring Jeanne Bamberger to Indiana University, Bloomington campus. Indiana University Institute for Advanced Study.

MEDIA COVERAGE
Teaching

2014   Educator Innovator press release around Teaching in the Connected Learning Classroom. Available at: http://www.nwp.org/cs/public/print/resource/4265 (Last accessed: Aug. 16, 2014)

2013   Digital Is press release around Teaching in the Connected Learning Classroom. Available at: http://digitalis.nwp.org/site-blog/teaching-connected-learning-classroom/5995 (Last accessed: Aug. 16, 2014)

2013   The Almanac.net: Area teachers attend STEAM workshops. Available at http://www.thealmanac.net/article/20130726/LIFESTYLES02/130729961/0/news#.UfaKkVPqBzq (Last accessed: Aug. 16, 2014)

2013   Playground Magazine: The Maker Movement Finds its Way into Pittsburgh Classrooms. http://www.pgpnewscenter.com/play/maker-movement-finds-its-way-urban-classrooms (Last accessed: Aug. 16, 2014)

2011   National Writing Project Podcast on Exploring "Systems Thinking" with Grinding New Lenses: http://tinyurl.com/GrindingLensesSummerCamp. This podcast features teachers as well as members of the Indiana University research team sharing and reflecting on the 2011 Chicago summer camp implementation. (Last accessed: Aug. 16, 2014)

2011   Grinding New Lenses Work Featured on the Institute of Play's Website and National Writing Project: Zaman, R. (2011). Curriculum, Rewired: Teachers and Students Come Together Around Innovative New Pedagogy. http://www.instituteofplay.org/2011/09/curriculum-rewired/ and http://www.nwp.org/cs/public/print/resource/3653 (Last accessed: Aug. 16, 2014)

Service

Technical Reports in Preparation

26.1   **Peppler, K.** & Catterall, J.S. (in preparation, 2014). Learning and Achieving Through the Arts: A Collaborative Project of Inner-City Arts and Los Angeles Unified School District 4 (Deliverable to the U.S. Department of Education). Bloomington, IN: Indiana University.

Recent Technical Reports

27.1   **Peppler, K.** (2013c). New Opportunities for Interest-Driven Arts Learning in a Digital Age. (Deliverable to the Wallace Foundation). Bloomington, Indiana: Indiana University.

27.2   **Peppler, K.**, Catterall, J. & Feilen, K. (2009). Arts in the Middle: A Collaborative Project of Inner-City Arts and Los Angeles Unified School District 4 (Deliverable to the U.S. Department of Education). Bloomington, IN: Indiana University.

27.3   **Peppler, K.** & Catterall, J.S. (2006). Year Two Findings on the Arts Learning of Children enrolled in the LA's BEST After School Arts Program (Deliverable to the LA's BEST After-School Arts Program). Los Angeles: University of California.

27.4 **Peppler, K.** (2006). Ryman Arts 2000-2006: An Overview of the Program and an Assessment of Student Portfolio Work (Deliverable to the Ryman Arts Program). Los Angeles: University of California.

SERVICE ACTIVITIES
Service to University, School and Department
2014–*present*	Chair, The School of Education Make-Innovate-Learn Lab (MILL) space design committee
2014–*present*	Chair, Learning Sciences, Media, Technology (LSMT) Certificate Program, Learning Sciences, Indiana University
2014–*present*	Member, Search Committee for the new Vice Provost of Research at IU Bloomington
2014–*present*	Member, Agenda Committee, Indiana University School of Education Policy Council
2013–*present*	Member, Indiana University School of Education Policy Council
2012-*present*	Faculty Leader, Indiana University Center for Excellence for Women In Technology (CEWIT), http://cewit.indiana.edu/faculty/leadership/index.shtml
2011–*present*	Co-Chair, New and Existing Undergraduate Programs, Learning Sciences Program, Indiana University
2011-*present*	Co-Founder, IUMakes, Committee for the creation of a new FabLab at Indiana University/Bloomington community (http://www.iub.edu/~iumakes/)
2008-*present*	Chair, Masters of Learning and Developmental Sciences Committee, Indiana University
2013	Member, Department of Counseling and Educational Psychology Merit Review Committee
2013	Provided E-Textiles Workshops for the Indiana University Diversity, Equity, and Multicultural Affairs (DEMA)
2012	Member, Joint School of Education & School of Informatics Computer Science Education Search Committee
2012	Chair, Recruitment Weekend, Learning Sciences Program, Indiana University
2011 – 2012	Member, Search Committee for Position in Computer Science and Education, Indiana University.
2011 - 2013	Alternate, Indiana University, School of Education Policy Council
2010 - 2012	Chair, Indiana University School of Education Dissertation of the Year Committee
2010 - 2013	Member, Indiana University Graduate Studies Committee (GSC/RAFA)
2009 – 2010	Ad-Hoc presenter for P544, P600 and Learning Sciences Pro-Sem events
2009	Member, Dissertation Award Committee, Counseling and Educational Psychology, Indiana University
2009 - 2013	Co-Chair, Recruitment Committee, Learning Sciences, Indiana University
2009 - 2012	Co-Chair, Learning Sciences, Media, Technology (LSMT) Certificate Program, Learning Sciences, Indiana University
2008	Chair, Learning Sciences Recruitment Weekend Committee, Indiana University

Service to Profession
2014	Co-Chair, FabLearn Conference, Palo Alto, CA
2014–*present*	Advisor, Connected Learning Research Network (CLRN) of the MacArthur Foundation (http://clrn.dmlhub.net/)
2013–*present*	National ArtsEdSearch Review Panel Member
2013–*present*	Host the Monthly MacArthur Design Research Call Series
2009–*present*	Ad-Hoc reviewer for the *Journal of the Learning Sciences*, Oxford University Press, *Teachers College Record*, *Journal of Science Education and Technology*, *International Journal of Learning and Media*, *Science Education*, *the Psychology Aesthetics, Creativity, and the Arts* and other major journals/presses
2013	Digital Media and Learning Communications Meeting. Held January 31-February 1, 2013 in Chicago, IL.

2013	Ad-hoc Reviewer, Psychology Press (Taylor & Francis Group), *Psychology of Popular Media* (APA), *Science Education*, and *Mind, Culture & Activity*
2013	Participant, Making Meaning (M2) Meeting at 2013 World Maker Faire, New York
2013	Participant, MacArthur DML Major Projects Meeting in Chicago, IL
2013	Participant, CSCL Workshop: From Data Sharing to Data Mining: A Collaborative Project to Create Cyber-Infrastructure to Support and Improve Design Based Research in the Learning Sciences. 2013 Computer-Supported Collaborative Learning Conference in Madison, WI
2013	Chair, Make-to-Learn Symposium held on March 13, 2013 in Chicago, IL
2012-2013	Chair, Make-to-Learn (m2l.indiana.edu) thematic initiative for the MacArthur Foundation
2012	National Science Foundation Review Panel, REESE Competition
2011	Ad-hoc reviewer for Oxford University Press, *Journal of Creative Behavior*, *The Journal of the Learning Sciences*, *Journal of Children and Media*, and the Tangible Embedded and Embodied Interaction Conference
2011	AERA Presidential Working Group Leader: Interest Driven Learning and Participatory Democracy: A 21st-Century Agenda for Technology and Education
2011	National Science Foundation Review Panel, Cyberlearning Competition
2008	Reviewer, Session Chair, and Discussant for the American Educational Research Association (AERA)
2008	DIGITEL (Digital Game and Intelligent Toy Enhanced Learning) Conference Program Committee
2008	Reviewer for the Interaction Design for Children (IDC) Conference in Chicago, IL
2006 – 2008	Member of the International Society for the Learning Sciences (ISLS) Education Committee
2007	Reviewer for the Journal of Science Education
2005 – 2006	Member of the UCLA, Principal Leadership Instruction (PLI) Faculty Search Committee

Engagement with non-academic communities and agencies
National and International

2014	Participant, Connected Courses Distributed Open Online Courses Professional Development, DML Hub at the University of California-Irvine
2013—*present*	National Common Core Arts Standards (NCCAS) reviewer for The John F. Kennedy Center for the Performing Arts
2013	Provided E-Textiles Workshops for the Chicago Public Libraries
2013	Provided E-Textiles Workshops for the South Fayette School District, Pittsburgh PA
2013	Participant, Conference on Longitudinal Study of Out-of-School Time Science Programs June 17-19, 2013, Convened by National 4-H Council and Dr. Robert Tai at the Moore Foundation, Palo Alto, CA
2013	Participant, US Department of Education/MacArthur Foundation ReImagining Education: Empowering Learners in a Connected World event. Knight Conference Center at the Newseum, Washington, DC. May 28-29, 2013
2012	Judge, Instructables.com challenge competition for connecting making and learning in schools
2011	Consultant for the Cleveland Metropolitan School District's Department of Arts Education's Premier Arts Specialty System (PASS), the district's four K-8 arts infused, and culturally responsive schools in Ohio.
2011	Consultant for the Jefferson County Public Schools in Louisville, KY Gheens Academy of Curriculum and Instruction, which designs and supports curriculum throughout a district of 150+ schools.
2011	Wallace Foundation's Policy Panel on Reimagining the School Day
2010–2013	Member of the ScratchEd Advisory Board
2008–2010	Advisory Board of the Institute of Museum and Library Services (IMLS) Nation of Leaders Research Grant Advisory Board ("Media MashUp") for the Science

	Museum of Minnesota, Wilmette Public Library (IL), Public Library of Charlotte Mecklenburg County, Memphis Public Library, the Free Library of Philadelphia and the Seattle Public Library
2004 - 2007	Volunteer in South Los Angeles Computer Clubhouse funded by Intel
2005	Opportunities Unlimited Charter High School, Arts and Technology Curriculum Development Consultant: http://www.youincla.org/clubhouse/charterschool

State & Local

2014	Wonderlab Professional Development for Area Third Grade Teachers. June 2013.
2013-*present*	Partnership with the Girl Scouts of America: provide ongoing e-textile workshops for badges
2013-*present*	Partnership with the Monroe County Public Library: provide ongoing e-textile workshops and other hands-on maker programming, guidance on the design of the new digital creativity space for teens
2009-*present*	Partnership with Bloomington Project School: provide ongoing technology support, creation on MakerCart model, grant support assistance, assist in creating a new vision for technology at the School, provide regular programming in computational textiles, computer programming, game design, and the arts
2008-*present*	Partnership with Bloomington Boys and Girls Clubs: Responsible for sending a steady flow of 50 undergraduate and graduate mentors yearly, provide ongoing technology support, assist in creating a new vision for technology at the Club, and provide regular programming in computational textiles, computer programming, game design, and the arts
2013	Co-Chaired and organized the IUPartnershare Event for Indiana State Superintendents
2012	Hacking and Making with E-textiles. Invited presentation at the Girls in STEM workshop at Indiana University, Bloomington.
2012	Wonderlab Professional Development for Area First Grade Teachers. June 2012.
2010	Provided Computational Textile Workshops for the Indiana University Harris Science Camp for Underrepresented Youth
2010	Provided Computational Textile Workshops for the Purdue University SPIRIT Summer Camp
1998	Member, Indiana Board of Education's Character Education Committee with Dr. Suellen Reed

PROFESSIONAL AFFILIATIONS

2007-*present*	Member of the AERA Learning Sciences Special Interest Group (SIG)
2006-*present*	Member International Society of the Learning Sciences (ISLS)
2004-*present*	Member AERA Division C: Learning and Instruction
2004-*present*	Member of the AERA Arts and Learning Special Interest Group (SIG)
2002-*present*	Member American Education Research Association (AERA)

MEDIA COVERAGE
Service to University, School and Department

2014	Feature in the Brilliant Minds research video series, Indiana University (in production)
2011	Feature Topic at the IU School of Education: A simulated bee creates quite a buzz about science: School of Education researchers find a fake bee is making science more real: http://portal.education.indiana.edu/Feature_Topic_Detail/tabid/11553/Default.aspx?xmid=6272 (Last accessed: Aug. 16, 2014)
2011	Indiana Daily Student (IDS) coverage: Assistant Professor connects games, art: http://129.79.116.20/news/story.aspx?id=80466 (Last accessed: Aug. 16, 2014)

2011	School of Education researcher investigating how 'Guitar Hero' might produce the next prodigy: http://newsinfo.iu.edu/news/page/normal/17692.html (Last accessed: Aug. 16, 2014)
2010	Featured in the Indiana University's School of Education Annual Report (2010): http://education.indiana.edu/docs/about/annual-reports/Annual%20Reports/IU%20School%20of%20Education%20annual%20report%2009-10.pdf (Last accessed: Aug. 16, 2014)
2010	IU newsroom feature on "systems thinking" MacArthur grant http://newsinfo.iu.edu/news/page/normal/13104.html (Last accessed: Aug. 15, 2014)
2009	Web coverage from the IU News Room: School of Education professor honored with Governor's Award for Tomorrow's Leaders (2009): http://education.indiana.edu/news/2009-12-16-01.html (Last accessed: Aug. 15, 2014)
2008	Indiana University News Coverage of MacArthur Scale-Up Grant (2008) http://homepages.indiana.edu/web/page/normal/13260.html

Service to Profession

2014	Work on interest-driven arts learning highlighted on the DML Central Blog by Barry Josephs. Available at: http://dmlcentral.net/blog/barry-joseph/exploring-digital-media-and-museum-based-learning (Last accessed: Aug. 15, 2014)
2014	Highlight in ALAnews: Dr. Kylie Peppler of the Learning Research Network to speak at ASCLA's President's Program. Available at http://www.ala.org/news/press-releases/2014/04/dr-kylie-peppler-learning-research-network-speak-asclas-presidents-program (Last accessed: Aug. 15, 2014)
2013	Profile in New Learning Times: https://newlearningtimes.com/cms/article/1157 (Last accessed: Aug. 15, 2014)
2013	Education Week Blog: Arts Education Moves Beyond the Classroom. Available at http://blogs.edweek.org/edweek/DigitalEducation/2013/07/arts_education_moves_beyond_th.html (Last accessed: Aug. 15, 2014)
2013	New Jersey (nj.com) article: Wallace Foundation finds new technology fuels young artists' creativity and artwork. Available at: http://www.nj.com/entertainment/arts/index.ssf/2013/07/digital_technologies_wallace_foundation_arts_education.html (Last accessed: Aug. 15, 2014)
2013	89.3 KPCC Southern California Radio: Where do we learn? New report finds arts education increasingly happens outside of school. Available at http://www.scpr.org/blogs/education/2013/07/30/14385/where-do-we-learn-new-report-finds-arts-education/ (Last accessed: Aug. 15, 2014)
2013	IU Newsroom Press Release: Federal grant funding IU project to understand the best teaching to help children learn about complex systems. Available at http://news.indiana.edu/releases/iu/university-wide/2013/09/education-complex-systems.shtml (Last accessed: Aug. 15, 2014)
2013	Interest-Driven Arts Learning Report among the top 10 downloaded at the Wallace Foundation. Available at http://www.wallacefoundation.org/view-latest-news/InTheNews/Pages/The-Wallace-Foundations-10-Most-Popular-Publications-in-2013.aspx (Last accessed: Aug. 15, 2014)
2013	IU Newsroom Press Release: School of Education faculty member, center heading up free Chicago 'Make-to-Learn' symposium. Available at http://newsinfo.iu.edu/news/page/normal/23929.html (Last accessed: Aug. 15, 2014)
2013	Blending High- and Low-Tech Worlds with a Maker-Driven Agenda. RiFFs: The expert interview series of the Digital Media and Learning Research Hub. Available at: http://dmlhub.net/newsroom/expert-interviews/blending-high-and-low-tech-worlds-maker-driven-agenda (Last accessed: Aug. 15, 2014).

2012   60 minute Live Webinar with Julian Sefton-Green and the DML Hub on Learning in Out-of-School Contexts: Education in Non-Formal Settings. The webinar is page on connectedlearning.tv: http://connectedlearning.tv/julian-sefton-green-learning-out-school-contexts-education-non-formal-settings (Last accessed: Aug. 15, 2014)

2012   60 minute Live Webinar with Kylie Peppler and the DML Hub on High-Tech Textile Design: Learning by Doing and Making: http://connectedlearning.tv/kylie-peppler-high-tech-textile-design-learning-doing-and-making#asked (Last accessed: Aug. 15, 2014)

2012   60 minute Live Webinar with Mitchel Resnick and the DML Hub on Sowing Seeds for a more Creative Society: Available in the Livestream Channel's Video Library: http://livestre.am/1kIHL. The webinar page on connectedlearning.tv: http://connectedlearning.tv/sowing-seeds-more-creative-society (Last accessed: Aug. 15, 2014)

2011   BeeSim highlighted on fashioningtech blog by Syuzi Pakhychan: http://www.fashioningtech.com/profiles/blogs/beesim-interactive-epuppet (Last accessed: Aug. 15, 2014).

2010   Webwise 2010: "Imagining the Digital Future" talk highlighted http://www.tvworldwide.com/events/webwise/100303/default.cfm?id=12058&type=flv&test=0&tab=1&live=0 (Last accessed: Aug. 15, 2014)

2010   Springboard Media coverage of 20Under40 book release, highlighting "The New Fundamentals" http://springboardmedia.blogspot.com/2010/11/new-thinking-on-arts-20-under-40.html (Last accessed: Aug. 15, 2014)

2010   Interview with Pegasus Communications: Systems Thinking in Action (2010) http://blog.pegasuscom.com/Leverage-Points-Blog/bid/30818/Not-Your-Old-School-Systems-Thinking-Using-New-Media-to-Learn-by-Play (Last accessed: Oct. 6, 2010)

2010   Pegasus Communications: Systems Thinking in Action Coverage of the MacArthur Grant.

2010   Live Interview with Paul Allison on EdTechTalk: http://www.edtechtalk.com/node/4846 (Last accessed: Aug. 15, 2014)

2010   Interview with Pegasus Communications: Systems Thinking in Action (2010).

2010   Teachers College Record Interview highlighting "Arts Education for a Digital Age" article: http://www.tcrecord.org/content.asp?contentid=15945 (Last accessed: Aug. 15, 2014)

2010   Indiana Women in Computing (InWIC) Coverage http://www.cs.indiana.edu/inwic/2010/fun.html (Last accessed: Aug. 15, 2014)

2009   Interview with Henry Jenkins featured on his blog (2009) http://henryjenkins.org/2009/12/inside_the_computer_clubhouse.html; http://henryjenkins.org/2009/12/inside_the_computer_clubhouse_1.html; http://henryjenkins.org/2009/12/inside_the_computer_clubhouse_2.html

Engagement with non-academic communities and agencies

2014   Highlight in Education Daily's cover article, Experts: Bridge formal, informal learning using digital media by Emily Ann Brown, Volume 47, No. 42, Thursday, March 6, 2014 (subscription required)

2013   Creativity Labs highlight in Bloomington Makevention advertisements: http://www.youtube.com/watch?v=BWbbChzkHt0&feature=youtu.be

2012   Featured in an article in the Lafayette, IN Journal & Courier newspaper on the educational value of smart devices: iPlaytime: More children reaching for smartphones and tablets raises some concern from parents by Taya Flores.

2011   Featured on the Ed Wenck show/WIBC radio in Indianapolis for work on Rhythmic Videogames producing the next prodigy.

2011   BeeSim highlighted on Makezine.com: http://blog.makezine.com/2011/02/16/beesim-game-using-lilypad-and-xbee/ (Last accessed: Aug. 15, 2014).

2011	Featured in Make Magazine: Hayes, G. (2011). Hivemind for Kids. In Make Magazine's Volume 28 on Toys and Games. Also available online at http://makezine.com/28/beesim/
2011	Make Magazine coverage of BeeSim: http://blog.makezine.com/archive/2011/02/beesim-game-using-lilypad-and-xbee.html (Last accessed: Aug. 15, 2014).
2011	Make: Japan coverage of BeeSim: http://jp.makezine.com/blog/2011/02/beesim-game-using-lilypad-and-xbee.html (Last accessed: Aug. 15, 2014).
2011	90-minute interview on Public Television Broadcast in Cleveland, OH, interviewed on the program "How Arts Rich Environments Impact Achievement." Community Forum event @ Westfield Insurance Studio Theater, Idea Stream at Playhouse Square.
2010	Bloomington Herald Times: Peppler receives Governor's Award (January 2, 2010) (subscription required)
2010	Bloomington Herald Times: Peppler Donates Award to the Boys and Girls Club (February 2, 2010) (subscription required)
2010	Bloomington Herald Times: Young leader's donation will help others grow (February 3, 2010) (subscription required)
2010	Interviewed in INDYSTAR.com—Wanted: Role Models (subscription required)
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