Elizabeth B. Pierson

EDC Center for Children and Technology
96 Morton Street, New York, NY 10014
(212) 807-4224 — epierson@edc.org

Professional Preparation

Teachers College, **Columbia University**	International Educational Development	MA, 2008
Vassar College	Environmental Studies, Cum Laude and departmental honors	BA, 2003

Current Position

Research Associate, EDC Center for Children and Technology (EDC|CCT)	2011–Present
Research Assistant, EDC Center for Children and Technology (EDC|CCT)	2008–2011

Overview of Expertise

- Research and Evaluation
- Technology and STEM education
- Project management
- International development and cross-cultural exchange

Selected Research and Evaluation Experience

Research Associate, *eCADEMY: Drop-out Prevention in New Mexico* and *Khan Academy in Math Classrooms in Chile (*Intel, 2013*)*
- Conducted and coordinated research activities for two unique blended-learning interventions by creating research protocols; conducting interviews, focus groups, and classroom observations; analyzing qualitative data; and writing final reports.

Research Associate, *Inspiring STEM Educators: The NASA Physics and Engineering Collection on Vital/Teachers' Domain* (National Science Foundation and WNET, 2012–2013)
- Conducted and managed summative evaluation activities including recruiting teachers, designing online surveys, conducting interviews, maintaining ongoing communication with participants, analyzing qualitative and quantitative data, and writing the final report.

Research Associate, *STEM 2 Stern: Opening Minds, Capturing the Future* (Office of Naval Research, 2012–2013*)*
- Identified program output metrics and created 12 unique participant surveys to help ONR monitor and evaluate the impact of the grantees in its portfolio.

Research Associate, *Possible Worlds* (Institute for Educational Sciences, 2012–2013)
- Conducted research activities for the randomized control trial and field-test components of the study, including recruiting middle-school teachers, observing classrooms, managing ongoing communication and logistics with study participants, and analyzing qualitative and quantitative data.

Research Associate, *Iridescent's Be a Scientist Afterschool Program* (National Science Foundation, 2011–2012)
- Conducted research activities for the formative evaluation, including observing program sites, conducting interviews with relevant stakeholders, creating and analyzing surveys, creating a data collection and analysis plan, and writing reports.

Research Assistant, *Technology Tools for Teaching and Training (T4)-India,* (USAID, 2010–2011)
- Developed five data collection instruments, including two surveys, a classroom observation protocol, a teacher interview protocol, and a student focus group protocol.
- Designed analysis tools, managed data entry, and conducted actual analysis of quantitative and qualitative data.
- Worked closely with the final report writer (an outside consultant) to create charts and graphs in final report.

Research Assistant, *Cisco 21st Century Skills Evaluation, Indicator Instrument, and Codify Innovation* (Cisco, 2008–2011)
- Led the quantitative data collection, analysis, and write-up for the 5-year 21S evaluation project.
- Researched, developed, and validated a toolkit for assessing school-level progress in relation to 21st-century skills.
- Collected and analyzed data and wrote a report around two case studies that exemplified the integration of 21st-century skills into school and classroom administration.

Selected Publications and Presentations

Publication: Burns, M., Pierson, E., & Reddy, S. (2014). Working together: How teachers teach and students learn in collaborative learning environments. *International Journal of Instruction, 7*(1). Available at: http://www.e-iji.net/index.php?option=com_content&view=article&id=42:january-2014-volume-7-number-1-&catid=10:dergi-saylar&Itemid=66

Publication: Light, D., & Pierson, E. (2013). The impact of school technology infrastructure on teachers' technology integration: A survey in thirteen countries. *Ubiquitous Learning: An International Journal*, November 2013. Available at: http://ijq.cgpublisher.com/product/pub.186/prod.220

Publication: Light, D., & Pierson, E. (2013). Highlighting changes in two Russian schools with successful one-to-one laptop programs: Moscow And Nizhny Novgorod case studies. *Open Education.* Available at the Russian Science Citation Index: *http://elibrary.ru/item.asp?id=18955285*

Blog Post: Light, D. & Pierson, E. (2013). EDC–Center for Children and Technology: Report on Russia, *Anytime Anywhere Learning Foundation Newsletter*, February 2013. Available at **http://www.aalf.org/articles/view.php?ArticleID=157**

Panel: Perspectives on 1:1 Learning in Developing Countries. *Comparative and International Education Society Annual Conference*. April 2013, New Orleans, LA.

Presentation: *"*Exploring Ubiquitous Computer Use in a 1-to-1 Laptop Program in Rural Argentina" and "The Impact of School Technology Infrastructure on Teachers' Technology Integration: A Survey in Thirteen Countries." *Ubiquitous Learning Conference.* October 11, 2012, Urbana-Champaign, IL.

Presentation: "Lessons learned from the evaluation of a complex, multi-partner, multi-year, multi-site K–12 education intervention." *American Evaluation Association Annual Conference*, November 2011, Anaheim, CA.

Roundtable: *"*Investigate the Key Innovative Components of 21st Century Education Systems." *International Society for Technology in Education Annual Conference*. June 7, 2011, Philadelphia, PA.

Related Professional Experience

Cultural Competence Committee Member, *Learning and Teaching Division, Education Development Center* 2008–Present
- ▪ Four-year member of EDC's division-wide group that examines issues of diversity in the workplace

Amigos de las Américas, *New York City Chapter Board Member,* New York, NY 2010–Present
- ▪ Manage volunteer recruitment team to enroll volunteers in summer emersion and gap-year programs
- ▪ Support general board activities, including fundraising, alumni outreach, and social media engagement

Consultant*, American Museum of Natural History***,** New York, NY 2013
- ▪ Improved layout, organization, and navigability of an online middle- and high-school science curriculum website by designing and conducting an evaluation and usability study with New York area teachers

Program Evaluator, *Inter-American Development Bank/Teachers College***,** Honduras 2008
- ▪ Increased the Bank's understanding of enrollment decisions of middle-school students in four unique technology-enhanced education programs by designing and conducting a qualitative evaluation

Second Language: Advanced fluency in verbal and written Spanish