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CURRENT POSITION

2001 present **PROFESSOR (TEACHING)**, Stanford Graduate School of Education,
and by Courtesy, Mechanical Engineering.
ASSOCIATE DEAN FOR FACULTY AFFAIRS, Stanford Graduate School of Education
FACULTY, Learning, Design & Technology, Learning Sciences & Technology
Design, and Race, Inequality and Language in Education programs
PRINCIPAL INVESTIGATOR, Research in education and Design Lab (REDlab),
INTERIM PI, John Garner Center (2016– 2018)

AREAS OF INTEREST

- Access and equity
- Learning technology
- Bridging research and practice
- Teaching and learning processes
- Ethnography of education
- STEM education
- Education in diverse settings
- Design Thinking

EDUCATION

ED.D	Family and Community Education, Teachers College, Columbia University	1982
M. ED.	Family and Community Education, Teachers College, Columbia University	1979
M. S.	Florida International University	1978
B. S.	State University of New York at Oneonta	1973

GRANTSMANSHIP

Principal Investigator and director of research and development initiatives from federal and private foundation sources totaling over \$16,000,000:

1991	NSF: Mathematics through Applications Project-Preliminary Design
1992	NSF: Mathematics through Applications Project
1993	Hearst Foundations: Performance-based Assessments in Math
1994	Hearst Foundations: Performance-based Assessment s in Math NSF Conference: Gateways III for Curriculum Projects PacTel: Math Teacher Professional Development AT&T: Teacher Professional Development Models
1995	NSF MMAP: The Comprehensive Curriculum Plan Anonymous Funder: Classroom Assessment Tool
1996	AT&T: California Education Strategies
1997	NSF PRIMES: Parents Rediscovering and Interacting with Math and Engaging Schools
1999	Hewlett Packard: Teacher Learning on the WWW Project NSF Conference on Transitions to Work: Math In and Out of School
2002	Noyce Foundation-Video for Teacher Learning in Mathematics

	NSF: Training Research and Assembly for Interactive Learning Software (with SRI)
2003	Wallenberg Global Learning Network. Analysis of WILD Data for Code IT! Project
2005	Freeman Spogli Institute: E-Learning Initiative in South Africa (Dunia Moja), Media X: ELISA: mobiles in South Africa
2006	MacArthur Foundation: Youth and Digital Media
2007, 2009	Stanford K-12 Initiative, Bringing Design Thinking to School
2008	Wallenberg Global Learning Network, ActivBoards for Math Pilot
2009	Stanford Interdisciplinary Research Grant, Infectious Disease education
2010	Levin Fund, ActivLearning in Math, ActivBoard Effectiveness study
2010	Hasso Plattner Institute for Design, Design Assessment Rubric study
2011	Oracle Education Foundation, Teaching for Tomorrow Today
2011	Hasso Plattner Institute for Design, Assessing Team Work
2011– 2015	National Science Foundation ITEST, d.Loft STEM
2012– current	Gordon and Betty Moore Foundation, Family Science Prototypes
2016-2018	San Francisco Unified School District Innovation Fund Grant: iLabs Study
2016– current	National Science Foundation, Innovations in Development for a Transformative Scientist-Driven Public Engagement Model: The STEM Ambassador Program
2018-current	Sequoia Partnership: English Learners & Design Thinking Project
2018-current	STEM Aspirations and Pathways for Girls in Japan, Freeman Spogli Institute
2018-current	National Science Foundation, RET Site: Teaching Engineering & Design Innovation

PREVIOUS EXPERIENCE

RESEARCH AND DEVELOPMENT:

1989-2000	DIRECTOR OF SCHOOL AND COMMUNITY LEARNING PROGRAMS AND SENIOR RESEARCH SCIENTIST , Institute for Research on Learning, Menlo Park, California.
1985-1989	RESEARCH SCIENTIST , Center for Children and Technology, Bank Street College of Education, New York.
1983-1985	DIRECTOR, PUBLIC SCHOOLS PROJECT , College of Human Services (now the Metropolitan College of New York), New York, NY. DIRECTOR , College For Human Services Junior High School.

TEACHING:

2005-2009	DIRECTOR , Learning, Design & Technology Program, Stanford Graduate School of Education
1994-2000	CONSULTING ASSOCIATE PROFESSOR , Stanford Graduate School of Education, Symbolic Systems and Learning, Design & Technology programs. • 1998-present—Taught annual seminar on Organizational Issues in Learning, Design and Technology and worked with graduate students on research.
1982	LECTURER , Teachers College, Columbia University, New York
1982-1983	FACULTY MEMBER , College for Human Services, New York, NY
1973-1977	ELEMENTARY TEACHER , New Milford, N.J, Chapel Hill, N.C., and Hyde Park, N.Y.

PUBLIC SCHOOL INNOVATION:

1983-1985	FOUNDER AND DIRECTOR , College of Human Services Junior High, District 4, East Harlem, NY (Alternative School)
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- 1996-2000 **FOUNDER AND PRESIDENT OF THE BOARD**, Connections Program, Palo Alto Unified School District, CA (School within a School)
- 2006-2011 **ELEMENTARY FACULTY SPONSOR, HIGH SCHOOL ADVISORY COUNCIL AND BOARD OF TRUSTEE**, East Palo Alto Academy, Stanford New Schools, Stanford, CA (Charter School)

PUBLICATIONS

BOOKS:

- 1998 Thinking Practices in Mathematics and Science Learning, J. Greeno and S. Goldman (Eds.). Hillsdale, New Jersey: Lawrence Erlbaum Associates.
- 2009 Educating Learning Technology Designers, C. diGiano, S. Goldman & M. Chorost, (Eds). London and New York: Routledge.
- 2017 Taking Design Thinking to School: How the technology of design can transform teachers, learners, and classrooms, S. Goldman & Z. Kabayadondo, (Eds). London and New York: Routledge.

PEER REVIEWED ARTICLES:

- 1984 *When school goes home: Some problems in the organization of homework*, with R. McDermott and H. Varenne. Teachers College Record, 85, 391-409.
<http://www.tcrecord.org/content.asp?ContentID=884>
- 1987 *Earth Lab: A local network for collaborative science classrooms*, with D. Newman. Journal of Educational Technology Systems, 15 (3), 237-247.
- 1988 *Supporting school work groups with communication technology: The earth lab experiment*, with D. Newman. Children's Environment Quarterly, 5 (4), 24-31.
- 1989 *Computer-mediation of collaborative science investigations*, with D. Newman, D. Brienne, I. Jackson and S. Magazine. Journal of Educational Computing Research, 5 (2), 151-166.
- 1989 *"OK, can we try now?": One student's communications on a classroom computer network*, with C. Reich and A. Matthews. Thought and Practice, 2 (1), 29-37.
- 1990 *VideoNoter: A productivity tool for video data analysis*, with J. Roschelle. Behavioral Research Methods, Instruments, and Computers, 23 (2), 219-224.
- 1991 *Electronic interactions: How teachers and students organize schooling over the wires*, with D. Newman. Interactive Learning Environments, 2 (1), 31-44.
- 1995 *Environments for collaborating mathematically: The middle-school mathematics through applications project*, with J. Moschkovich and the Middle-school Mathematics through Applications Project Team. In J. Schnase and E. Cunnius (Eds.), Proceedings of CSCL 95. Bloomington, Indiana. 143-146.
- 1999 *Technology environments for middle school: Embedding mathematical activity in design projects*, with J. Moschkovich. In J. Bruckman, et. al, Proceedings of the ICLS 98:

- International Conference of the Learning Sciences. Atlanta: Georgia Tech University. 112-117.
- 2004 *Emerging social engineering in the wireless classroom*, with R. Pea and H. Maldonado. Proceedings of the International Conference of the Learning Sciences. June 2004.
- 2004 *Functioning in the wireless classroom*, with R. Pea, H. Maldonado, L. Martin, T. White, & the WILD Team@Stanford. Proceedings of the WMTE. March 2004.
- 2005 *Bringing Collaboration Front and Center in a Cross-disciplinary Design Course*, with E. Mercier and A. Booker. World Conference on Educational Multimedia, Hypermedia and Telecommunications (EDMEDIA) 2005:1
- 2006 *The Cultural Work of Learning Disabilities*, with R. McDermott and H. Varenne. Educational Researcher. 35(6): 12-17.
[Reprinted in J. Soler, F. Fletcher-Campbell & G. Reid. (Eds.), Understanding Difficulties in Literacy Development. Open University/Sage Publications, 2009.]
- 2006 *Collaborating to Learn, Learning to Collaborate: Finding the balance in a cross-disciplinary design course*, with E. Mercier and A. Booker. Proceedings of the International Conference of the Learning Sciences.
- 2007 *Mixing the Digital, Social and Cultural: learning, identity and agency in youth participation*, with A. Booker & M. McDermott. In D. Buckingham (Ed.), Digital Youth: Learning and Identity. Chicago: MacArthur Foundation Series on Digital Media and Learning.
- 2009 *The Tanda: A Practice at the Intersection of Mathematics, Culture, and Financial Goals*, with L. Martin & O. Jimenez. *Mind, Culture and Activity* 16: 1-14.
- 2009 *Making Math a Definition of the Situation: Families as Sites for Mathematical Practices*, with A Booker. Anthropology & Education Quarterly. 40:3.
- 2010 *Destination, Imagination & The Fires Within*, with M. Carroll, A. Royalty, L. Britos, J. Koh & M. Hornstein. International Journal of Art & Design Education. 21:1, 37-IL53.
- 2010 *Go Math! How research anchors new mobile learning environments*, with A. Alexander, K.P. Blair, S. Goldman, O. Jimenez, M. Nakauae, R. Pea, & A. Russell. Proceedings of the Sixth International IEEE Conference on Wireless, Mobile, and Ubiquitous Technologies in Education (WMUTE). Kaohsiung, Taiwan. 57-64.
- 2010 *Math Engaged Problem Solving in Families*, with R. Pea, K.P. Blair, O. Jimenez, A. Booker, L. Martin and I. Esmonde. Gomez, K., Lyons, L., & Radinsky, J. (Eds.) *Learning in the Disciplines: Proceedings of the 9th International Conference of the Learning Sciences (ICLS 2010) - Volume 1, Full Papers*. International Society of the Learning Sciences: Chicago IL. 380-388.
- 2012 *Issues in the Transformation of Teaching with Technology*, with Rob Lucas. In Maddux, A. (Ed.), Research Highlights in Technology and Teacher Education 2012. Society for Information Technology & Teacher Education.
- 2013 *Comic Creation, Comic Relief: kids expression of self and others*, with Molly Bullock. In, Proceedings of the International Design for Children Conference 2013. New York.

- 2016 *Exploring the promise and limits of a reciprocal research and design process: the case of family math applications*, with Osvaldo Jimenez. In Svihla, V. & Reeve, R. (Eds). Design as scholarship: Case studies from the learning sciences. Routledge.
- 2016 *Participatory design research as a practice for systemic repair: doing hand in hand math research with families*, with Angela Booker. Cognition and Instruction. 86-100.
- 2016 *Designing for Family Science Explorations Anytime, Anywhere*, with Megan Luce & Tanner Veal. Science Education, Vol. 00, No. 0, 1-27 (electronic version).
- 2017 Sidestepping the Elephant in the Classroom: Using Culturally Localized Technology to Teach Around Taboos, with Piya Sorcar, Ben Strauber, Prashant Loyalka, & Neha Kumar. CHI Conference, May, 2017.
[Best Paper Honorable Mention Award]
- Forthcoming *Beyond the Deficit Model: The Ambassador Approach to Public Engagement*, with Nalini Nadkarni, Caitlin Weber, Dennis Schatz, Sue Allen & Becky Menlove. BioScience.

INVITED ARTICLES AND REVIEWS:

- 1983 *An investigation into the economic, social and cultural patterns of West Indians, Russia Jews and Indio-Chinese immigrants in south Florida*, with S. Fain. In R.J. Samuda and S.L. Woods (Eds.), Perspectives in Immigrant Education. New York: University Press of America. 147-155.
- 1983 *Teaching in multicultural settings*, with R. McDermott. In L. van de Berg-Eldering, ßF.J. M. De Rijcke, and L.V. Zuck (Eds.), Multicultural Education: A Challenge for Teachers. Dordrecht: Foris Publications. 145-164.
- 1984 Review of *Communities and their Schools*. Economics of Education Review, 3, 250-251.
- 1984 *Individual learning situations*. Instructor and Teacher, 39-40.
- 1986 *The culture of competition in American schools*, with R. McDermott. In G.D. Spindler (Ed.), Education and Cultural Process, 2nd edition. Prospect Heights, IL: Waveland Press. 282-289.

[Sections reprinted in Literacy Assistance Center Bulletin, 1988, 4 (1), 5-6]
- 1989 *Network activities for elementary earth science*, with D. Brienne. Classroom and Computer Learning, April.

[Reprinted in 1993 as *Networking: How it has enhanced science classes in New York schools...and how it can enhance classes in your school, too*, In T.R. Canniness and L. Finical (Eds.), The Technology Age Classroom. Wilsonville, Oregon: Franklin, Beedle and Associates. 367-371.]
- 1989 Review of *The Cultural Dimensions of Educational Computing*, by C.A. Bowers. Electronic Learning, April. 50-51.
- 1990 *Computer networking and the connection of science and literacy skills*, with C. Reich. Technical Report No. 51. New York: Bank Street College of Education, Center for Children and Technology.

- 1990 *Network news*, with D. Brienne. Science and Children. 28 (1), September, 26-29.
- 1990 *Computer resources for supporting student conversations about science concepts*. SIGCUE Outlook, 21 (3), 4-7.
- 1993 *Failure's failure*, with P. Gilmore, R. McDermott and D. Smith. In E. Jacobs and K. Jordan (Eds.), Minority Education: Anthropological Perspectives. Norwood, NJ: Ablex Publishers. 209-231.
- 1994 *Crossing borders electronically*, with S. Chaiklin and R. McDermott. In G. Spindler and L. Spindler (Eds.), Pathways to Cultural Awareness: Cultural Therapy With Teachers and Students. Thousand Oaks, CA: Corwin Press. 247-283.
- 1994 *When promise outweighs problems: Technology integration in math classrooms*. MMAP Working Paper No. 113. Institute for Research on Learning.
- 1995 *Middle school math: A new approach*, with M. Milanese. Principal, May 39-40.
- 1996 *Mediating micro-worlds: Collaboration on high school science activities*. In T. Koschmann (Ed.), CSCL: Theory and Practice of an Emerging Paradigm. Hillsdale, NJ: Lawrence Erlbaum Associates. 45-81.
- 1997 *Racing in place: Middle class work in success/failure*, with H. Varenne and R. McDermott. In G. Spindler (Ed.), Education and Cultural Process, 3rd edition. Prospect Heights: Waveland Press. 136-157.
- [Reconceived and rewritten as Chapter 5 of H. Varenne and R. McDermott, Successful Failure: The School America Builds. Boulder, CO: Westview Press. 106-128]
- 1997 *The school as a community of engaged learners*, with P. Eckert and E. Wenger. IRL Technical Report No. 17.101. Menlo Park, CA: The Institute for Research on Learning.
- [Excerpts reprinted in Wingspread Journal. Volume 19 (3) 4-6.]
- 1998 *Thinking practices: Images of thinking and learning in education*. With J. Greeno. In J. Greeno and S. Goldman (Eds.), Thinking Practices in Mathematics and Science Education. Hillsdale, New Jersey: Lawrence Erlbaum Associates. 1-17.
- 1998 *Researching the thinking-centered classroom*. In Thinking Practices in Mathematics and Science Education. J. Greeno and S. Goldman (Eds.), Hillsdale, NJ: Lawrence Erlbaum Associates. 257-267.
- 1998 *Engaging middle schoolers in and through real-world mathematics*, with J. Knudsen and M. Latvala. In L. Leutinger (Ed.), Mathematics in the Middle. Reston, VA: National Council of Teachers of Mathematics. 129-140.
- 1998 Review of *Constructing School Success: The Consequences of Untracking Low-Achieving Students*, with R. McDermott. Anthropology and Education Quarterly, 28, 125-126.
- 1999 *Research, reform, and aims in education: modes of action in search of each other*, with J. Greeno, R. McDermott, K. Cole, R. Engle, J. Knudsen, B. Lauman, and C. Linde. In E. Lagemann and L. Shulman (Eds.), Issues in Education Research. San Francisco: Jossey-Bass Publishers. 299-335.

- 1999 *The technology/content dilemma*, with K. Cole and C. Syer. In Evaluating the Effectiveness of Technology. Paper No. 4. Proceedings of the Secretary's Conference on Education. July. US Department of Education: Washington, D.C. <http://eric.ed.gov/?id=ED452821>
- 1999 *Using assessments to improve equity in mathematics*, with K. Cole and J. Coffey. Educational Leadership, 56 (6), 56-58.
- 2001 *Technology in the mathematics classroom: Guidelines from the field*. ERIC Update. Eric Clearinghouse on Information and Technology. 22 (2). <http://ericit.org/newsletter/Volume22-2/goldman.shtml>.
- 2002 *Instructional design: Learning through design*. In J. Guthrie, (Ed.), Encyclopedia of Education. Second Edition. New York: Macmillan Reference USA. 1163-1169.
- 2002 *Project-based learning and teaching—Engaging students, energizing teachers, involving parents*. TechScape Voices. 1, (1). June.
- 2004 *Principles for making middle school math more equitable*, with J. Knudsen. Classroom Leadership. 7, 6, March. http://www.ascd.org/publications/class_lead/200403/goldman.html.
- 2006 *A new angle on families: Connecting the mathematics in daily life with school mathematics*. In Bekerman, Z., Burbules, N., Silberman-Keller, D. & (Eds.), Learning in Places: The Informal Education Reader. Bern: Peter Lang Publishing Group.
- 2007 *Staying the course with video analysis*, with Ray McDermott. In Goldman, R., Pea, R., Barron, B. and Derry, S. (Eds.), Video Research in the Learning Sciences. Hillsdale, NJ: Lawrence Erlbaum Associates. 101-114.
- 2009 *Preparing the Next Generation of Learning technology Designers*, with C. di Giano and M. Chorost. In di Giano, C., Goldman, S., & Chorost, M. (Eds.), Educating Learning Technology Designers: Guiding and Inspiring Creators of Innovative Educational Tools. London & New York: Routledge. 1-18.
- 2009 *Focusing on Process: evidence and Ideas to Promote Learning through the Collaborative Design Process*, with E. Mercier & A. Booker. In di Giano, C., Goldman, S., & Chorost, M. (Eds.), Educating Learning Technology Designers: Guiding and Inspiring Creators of Innovative Educational Tools. London & New York: Routledge. 36-61.
- 2009 *Partnering with K-12 Educators in Collaborative Design of Learning Technology*, with E. Mercier & A. Booker. In di Giano, C., Goldman, S., & Chorost, M. (Eds.), Educating Learning Technology Designers: Guiding and Inspiring Creators of Innovative Educational Tools. London & New York: Routledge. 62-79.
- 2009 *Interdisciplinarity in Learning Technology*, with A. Booker & E. Mercier. In di Giano, C., Goldman, S., & Chorost, M. (Eds.), Educating Learning Technology Designers: Guiding and Inspiring Creators of Innovative Educational Tools. London & New York: Routledge. 145-164. 2010
- 2010 *Family inheritance: parallel practices of financial responsibility in families*, with L. Martin. In Lin, L., Varenne, H. and Gordon, E. (Eds.), Educating Comprehensively: varieties of educational experiences, Vol. 3 of the Perspectives on Comprehensive Education Series. The Edwin Mellon Press.

- 2011 Reaction – Transforming Mathematical Identities through After School Settings. Proceedings of the CEMELA-CPTM-TODOS Conference: Practitioners and Researchers Learning Together. TODOS, 350-354.
<http://www.todos-math.org/assets/documents/CEMELA/transfoming%20mathematical%20identities.pdf>
- 2012 *Design thinking*, with Maureen Carroll and Leticia Britos. In Garner, S. and Evans, C. (Eds.), Design & Designing: a critical introduction. Berg Publishers.
- 2012 *Math I Am: What we learn from stories that people tell about math in their lives*, with Indigo Esmonde, Kristen Pilner Blair, Lee Martin, Osvaldo Jimenez, Roy Pea. In Bevan, B., Bell, P., Stevens, R. & Razfar, A. (Eds.) LOST Opportunities: Learning in Out of School Time. London: Springer.
- 2012 *Assessing d.learning: Capturing the Journey of Becoming a Design Thinker*, with Maureen P. Carroll, Zandile Kabayadondo, Leticia Britos Cavagnaro, Adam W. Royalty, Bernard Roth, Swee Hong Kwek and Jain Kim. In Meinel, C., Leifer, L. & Plattner, H. (Eds). Directions in Design Thinking Research. Springer.
- 2013 Opening a Box of Light–Family Science learning materials that support scientific examinations and inspire making activities, with Megan Luce, Tanner Veal, Sherry Hsi, and Bryan Quintanilla. Fablearn 2013: Digital Fabrication in Education Conference, Stanford University.
< <http://fablearn.stanford.edu/2013/wp-content/uploads/Opening-a-Box-of-Light-Family-science-learning-materials-that-support-scientific-investigations-and-inspir>>
- 2014 *Student teams in search of design thinking*, with Zandile Kabayadondo and Adam Royalty. In Meinel, C., Leifer, L. & Plattner, H. (Eds). (Eds). Design Thinking Research: Building Innovation Ecosystems (Understanding Innovation). Springer.
- 2016 *Teaching with Design Thinking: developing new vision and approaches to 21st century learning*, with Molly B. Zeilezinski. In, Annetta, L., & Minogue, J. (Eds). Connecting Science and Engineering Education Practices in Meaningful Ways. Springer.
- 2017 *Taking Design Thinking to School: How the Technology of Design Can Transform Teachers, Learners, and Classrooms*, with Zaza Kabayadondo. In, Goldman, S. & Kabayadondo, Z. (Eds). Taking Design Thinking to schools: How the technology of design can transform teachers, learners, and classrooms. Routledge.
- 2017 *A Praxis Model for Design Thinking: Catalyzing Life Readiness*, with Christelle Estrada. In, Goldman, S. & Kabayadondo, Z. (Eds). Taking Design Thinking to schools: How the technology of design can transform teachers, learners, and classrooms. Routledge.
- 2017 *Capturing Middle School Students' Understandings of Design Thinking*, with Molly B. Zielezinski, Tanner Veal, Stephanie Bachas-Daunert, Zaza Kabayadondo. In, Goldman, S. & Kabayadondo, Z. (Eds). Taking Design Thinking to schools: How the technology of design can transform teachers, learners, and classrooms. Routledge.
- 2017 *The Production of Learning Stories through Comic Making*, with Molly B.

Zielezinski. (in press). In M. Núñez-Janes, A. Thornburg, & A. Booker (Eds.) Deep stories: Practicing, teaching, and learning anthropology with digital storytelling. Warsaw: DeGruyter Open. 36-58.

2017 Design Thinking. In Peppler, K. (Ed). The SAGE Encyclopedia of Out-of-School Learning. Los Angeles: Sage Publishing.

PUBLIC CURRICULUM, TEXTS, MULTI-MEDIA PUBLISHING, AND TEACHER PUBLICATIONS:

1997 The Middle-school Mathematics through Applications Project: A Case Study in Learning Design, with Rick Berg. A multi-media case commissioned for the Learning, Design and Technology Program at Stanford School of Education.

1998 The Middle-school Mathematics through Applications Project Comprehensive Middle School Curriculum for grades 6-8, with design team. Menlo Park, CA: The Institute for Research on Learning.

1998 A Video Exploration of Classroom Assessment. CD-ROM for teachers, with T. Syer and the Middle-school Mathematics through Applications Project. Menlo Park, CA. Institute for Research on Learning.

2000 Pathways to Algebra and Geometry. Dallas Voyager Expanded Learning. Two year comprehensive curriculum.

2001 Inspired by Standards: Math teachers in the classroom. (Executive Producer). CD-ROM for teachers. San Francisco, WestEd.

2002 The Family Angle. (Executive Producer). Television Special on Parents and Mathematics. [Fourteen PBS stations nationwide have broadcast the show / made it available to teachers.]

2002 Middle School Math: What every parent should know and do. (Editor). Resource guide for parents as they support their children's mathematics success. [Currently 10,000 copies distributed.]

2007 Coaching Essentials: Volume I. (Principal Investigator and Executive Producer). Video-based, multi-media materials for introducing mathematics educators and teachers to the goals and process of coaching as a method for teacher learning.

2012 Dive In! (Principal Investigator and Developer). An interdisciplinary design thinking curriculum unit with water conservation challenges.
<<http://www.stanford.edu/group/d-loft/cgi-bin/drupal/node/19>>

2013 Ignite! (Principal Investigator and Developer). An interdisciplinary design thinking curriculum unit concerned with access to and conservation of energy.

2014 Build! Redesigning Shelter: A Design Thing/STEM Curriculum. (Principal Investigator and Developer). Stanford University.

2014 Cole, W. Estrada, C., & Goldman, S. Design Time: Learning that is Transformative. Documentary Film. US. <https://vimeo.com/122065737>

2016– Playful Family Science Card Deck. Activities for family science activities. Playful Science iPhone App.

TECHNOLOGY RESEARCH AND DESIGN

- 1985-1988 *Earth Lab*, design team member
- 1989-1990 *Dynagrams*, design team member; *VideoNoter*, design team member
- 1991-1998 Goldman, S. (Director and PI). *Middle-school Mathematics through Applications*, (ArchiTech™, HabiTech™, Coding Toolbox™, Mapper™). Institute for Research on Learning.
- 1998-1999 Goldman, S. (Director). *A Video Exploration of Classroom Assessment*. CD-ROM, Institute for Research on Learning.
- 1999-2000 WebMath, e-learning courses for middle school math teachers. WestEd and IRL.
- 1999-2002 Goldman, S. (Director). *Inspired By Standards: Middle school teacher at work*. VITAL: Video for Teacher Learning Cases Project. WestEd.
- 2002-2005 Goldman, S. (Director). *CoachingEssentials*. (Executive Producer). Video-based, multi-media resources for teacher professional development. [Currently used with over 200 teachers and teacher educators in workshops].
- 2003-2005 Goldman, S., Pea R., and the WILD design team. (Co-PI and Co-Director). *Code Breaker: Learning Function with Computing*.
- 2006-2007 Goldman, S. and the *Dunia Moja* team. (PI). Mobile technology apps for an international environmental education collaborative and course.
- 2008-2013 Goldman, S. Pea R., and the Family Math Team. *GO MATH!* Mobile tools to support family math activity
- 2011-2014- Goldman, S., Luce, M., Vea, T., & Hsi, S. *Playful Science Applications* Playful Science *Google Field Trip* Science Content (geo-located family science prompts)
- 2016- Playful Family Science App. Mobile App for family science activities while on the go.
- 2017- *CrashCourse* Concussion Education program with TeachAids, user design research.

AWARDS AND RECOGNITIONS

- 1973 Graduation with Honors, High Honors in Education, SUNY at Oneonta
- 1978 Distinguished Graduate Student Award, Educational Leadership, Florida International University
Phil Delta Kappan Award, Florida International University
- 1994 Finalist, Computerworld/Smithsonian Award for Humanitarian Uses of Technology in K-16 Education
- 1995 Honorary Co-chair, Computer Supported Collaborative Learning Conference, Bloomington, Indiana
- 1996 Invited technology demonstration, National Governor's Education Summit
- 1999 National Education Media Network Silver Award of Excellence, A Video Exploration of Classroom Assessment CD-ROM
- 1999 Designation of the Middle-school Mathematics through Applications Project as a promising standards-based **mathematics** curriculum by the U.S. Secretary of Education Panel
- 1999 Invited technology demonstration, National Governor's Education Summit
- 2000 Designation of the Middle-school Mathematics through Applications Project as a promising Standards-based **technology** curriculum by the U.S. Secretary of Education Panel
- 2005 University of Pittsburgh/MacArthur and Spencer Foundations study profiling the Middle-school Mathematics through Applications Project on exemplary research/reform model
- 2007 Palmer O. Johnson Memorial Award for an outstanding article from the American Educational Research Association (AERA).
- 2007 Visiting Professor, University of Copenhagen, Copenhagen, Denmark
- 2013 Visiting Professor, Keio University, School of Design and Media, Tokyo, Japan
- 2014 Advising Award, Stanford Graduate School of Education

2015 Distinguished Alumni Award, State University College, Oneonta, New York
2018 Friday Medal, The William & Ida Friday Institute for Educational Innovation.