

Mary HYNES-BERRY

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Erikson Institute: Graduate School in Child Development
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ACADEMIC HISTORY

Ph.D. M.A. University of Wisconsin, Madison May, 1974 English

B.A. Trinity College, Washington, D.C.; English, June, 1966

Early Childhood Education: Pre-service and In-service

6/96-present Erikson Institute for Early Childhood

Courses taught on a regular basis:

- *Language Development*
- *Key concepts in teaching and learning in the disciplines in early childhood*
- Methods classes for K-3: *Mathematics; Science, Social Studies*
- Integrative seminar and supervision of Student Teachers in practicum placements

Erikson Research and Professional Development Projects

2007- *Early Math Collaborative* Member of development team

- Instructor for EMC Learning Labs
- 3 years, with Dr Jie-Qi Chen, developing and implementing Learning Labs on effective teaching of mathematics for Ounce of Prevention's Educare School Chicago:
- Since 6/2014, Project Director for MAAM (Math All Around Me); materials to improve 0-3 caretakers understanding and practice supporting 0-3s development of precursor concepts for mathematical thinking.
- Developed and deliver on-going programs with Kentucky Center for Mathematics and the Big Shoulders Fund to develop Learning Lab Facilitators who deliver a series of Learning Labs based on EMC's *Big Ideas of Early Mathematics*. These programs have impacted over 300 ECE teachers in Kentucky and Illinois

2001- *Professional Development*

- The StoryBus Project: Developed & implemented 9-15 hours of professional development series for preschool and kindergarten teachers, focused on using a single classic children's tale across the curriculum.
- Agencies and organizations for which I have provided extended services in this capacity include Educare- Ounce of Prevention project; Big Shoulders Fund, Chicago Community Partners; Chicago Children's Museum; Art Institute of Chicago, Happy Families, Casa Central, East Aurora Early Childhood Department.

2004-2009 *New Schools Project*

Independent Consultant/ Professional Development provider

- **8/96- 2007 Project Manager and Consultant** with **Hug-A-Book**, a non-profit literacy development program that stresses use of high quality literature in an integrated curriculum.
 - In addition to selecting children's books, I did staff and parent workshops at early childhood sites.
 - From 1994 to 1999, I project-managed and acted as a consultant for the *Stone Soup Network* (Hug-a-Book and three Chicago Public Schools) that was funded by the Annenberg Challenge Grant for Schools.

5/93-6/95 Project Director, *Encyclopedia Britannica Mathematics System, Developing Mathematical Power²*, for grades K-2 (complete) and Grades 3-4 *Encyclopedia Britannica Educational Corporation*. Responsibilities included:

- Worked closely with program author, writers and editors through all stages of development.
- Managed production stages, including print, art, and manipulatives.
- Selected and wrote 30 folk tales to introduce mathematical thinking focus of each unit

1/89-6/93 Developed and Implemented Family Literacy Programs

- PIIP Literacy Project Parent-Infant-Interventions Program (PIIP) of the Child Development Center (Michael Reese Hospitals)
1992 LeClaire Hearst Center, Family Literacy Program (with by Dr. Gillian McNamee of Erikson Institute for Early Education)

Since 1976, Oral Storytelling in Classrooms

- Sessions are scheduled on an on-going basis; they feature original stories, folk and fairy tales, myths, epics and legends and include extending activities to foster creativity, critical thinking, and a context for teaching mathematics and science. For over 20 years, 100-200 children a week heard the stories.
- I also produced and appeared in *Fantasy and Fairytales*, 60 half-hour storytelling shows that were shown on Chicago, Public Access Television.

Professional Publications

- 2019, Hynes-Berry & Grandau. *Where's the Math in Questions Every Child Wonders About*, Under contract with NAEYC press. Projected publication 2019.
- 2018, Hynes-Berry, McCray with Goldin Meadow. "The role of gesture in teaching and learning math" & Brownell, Hynes-Berry with Baroody, "Pathways to Basic Combination Fluency in the Primary Grades " in *Growing Mathematical Minds*, ed McCray, Chen & Sorkin. Routledge
- 2017. "Nurturing Mathematical Thinkers from Birth: The Why, What, and How" In *Zero to Three Journal* Vol. 37 No 5, 23-34 (joint author with J.Chen, B. Abel, C.Sims, L. Ginet)
- 2014.. "Stories and storytelling: good for the heart and the mind," In ***Expressive Writing: Classroom and Community***, ed. Kay Adams. Boulder: Rowman and Littlefield.
- 2014. Joint author (Erikson Math Collaborative). *Big Ideas of Early Mathematics Education*. Pearson.
- 2012. "Opening the Heart through Open-ended Questions: Using Texts for Self-Understanding." In *Journal of Humanities Therapy: Vol3. December 2012. Pp. 41-66.*
- 2011. ***Don't Leave the Story in the Book: Using Children's Literature for Inquiry across the Curriculum.*** Teacher's College Press.
- 2012. Arleen Hynes and Mary Hynes-Berry. ***Bibliotherapy: the Interactive Process--A Handbook for Class or Self-Study.*** 3rd edition revised and updated by Joy Sawyer. North Star Press.
- 2009. Hynes-Berry and Itzkowich, "The Gift of Error" in *Conversations on Early Childhood Teacher Education*. Ed S Gibbons and C. Gibbs. World Forum Foundation.
- 1991. Hynes-Berry, Mary and Basia Miller. ***Responding to Literature: World Literature.*** McDougal Littell Literature. Evanston IL.
- 1994. ***Developing Mathematical Power***, K-2. 1994 Encyclopedia Britannica Educational Corporation, (credited as Program Director and as author of Folk tales. Program authors are Dr. Thomas Romberg, Dr. John Harvey, Mary Kay Tornrose-Dyer.

Membership in Professional Organizations

- National Association for the Education of Young Children (NAEYC)
- ASCD (Association for Supervision and Curriculum Development)
- National Council of Teachers of Mathematics (NCTM)

Recent Presentations Include:

- *Teaching teachers how to fish: Facilitating professional growth through parallel processing* (with Lauren Solarski) NAEYC PLI, 2018
- *A Variety of play: Definitions, functions and benefits*, with Chen, Bowman, McCray, & Kaldor NAEYC PLI, 2018
- *Mathematical Thinking Begins at the Beginning: Supporting precursor mathematical concepts in 0-3s prepares the ground for robust number sense*, with Jie-Chen, Barbara Abel, Lisa Ginet; NAEYC 2017;
- *It's Never too Early: Supporting Mathematical Thinking in 0-3*. Gateways Higher Education Forum, with J. Chen Bloomington IL April, 2017.
- *Treat Numbers as Attributes: Give Children a Headstart on Rational Counting*. National Headstart Conference and Expo, April 2017.
- *Understanding the Mathematical World for Infants and Toddlers*. 20 Annual Infant Toddler Conference, Keynote Speaker with Jie-Chen & Barbara Abel March 2017
- *Building the Joy of Math All Around Me from the Ground Up*, NAEYC PDI, June 2016
- *Yes MAAM: Finding Mathematics All Around Me with 0-3 Caregivers* NAEYC, Nov. 2015
- *Facilitating the Growth of Highly Effective Facilitators* New Mexico Mentoring Conference October 2015
- "Every Operation Tells a Story." NCTM April 2015.
- "How About Those 3 Little Pigs: Using Stories to Bring STEM(Science, Technology, Engineering and Math) & Literacy to Life" NAEYC, Nov. 2014.
- "Putting Common Core Standards for Mathematical Practice to work in professional development: Learning labs versus training" NAEYC PDI June 2014
- "Don't Leave the Story in the Book: Bringing Measurement to Life" NAEYC, Nov. 2013
- "It's the Praxis that Counts" NCTM Regional Convention, Las Vegas, Oct 2013
- "Engaging Teachers as Learners: Professional Development Learning Labs." Social Psychology of the Classroom International Conference 2013; July 16, 2013; New Zealand.
- "Reasoning for Readiness: Mathematics Rules, Arithmetic provides the tools" Keynote Presentation for Kentucky Center for Mathematics Conference, Feb. 25, 2013.
- *Don't Leave the Story in the Book: Using Storytelling and Creative Dramatics to develop Language and Literacy*. 2 day professional development workshops for Minneapolis Children's Theater Early Bridging Program. January 2013.
- "Reasoning for Readiness: Mathematics Rules, Arithmetic provides the tools" Keynote Presentation for Kentucky Center for Mathematics Conference, Feb. 25, 2013.
- "It's the Story that Counts" Chicago Metro Association for Young Children conference, January 2013.

- “Opening the Heart through Open-Ended Questions: Using stories for self-understanding.” Invited Speaker to the 11th International Conference on Philosophical Practice and the 4th International Conference on Humanities Therapy. Kangwon National University, Korea. July 16 - 19, 2012.
- "Teaching Teachers about Guided Inquiry: Reading an Object and Drawing Like a Scientist"
- Colloquium on P-12 STEM Education Research, 2012. University of Minnesota.
- Keynote speaker. Discovery Toys Conference. St. Charles, IL. July 29, 2012.
- What's the Story about Foundational Mathematics, CMAEYC, January 2012.
- Exploring the big ideas of measurement: How young mathematicians play with stories. NAEYC, Orlando Fl. November 2011
- Big Ideas in Foundational Mathematics, NAEYC, Orlando, Fl. November 2011.
 - Do You Teach Naked Science? Colloquium on STEM Education Research. St Paul, Aug 16, 2011.
 - Don't Leave the Story in the Book: Inquiry Across the Curriculum, IRA, 2011
 - Down with Naked Numbers: Why Stories are Important for Foundational Math. NAEYC PD 2011:
 - Down with Naked Numbers, ILAEYC, October 2010
 - Where's the Math in Stories: CMAEYC Opening Minds. January 2010.