

## KATHERINE K. MERSETH

**Harvard Graduate School of Education**  
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## EXPERIENCE

**HARVARD UNIVERSITY**, Cambridge, MA 1991-Present

### **Harvard Faculty of Arts and Sciences**

General Education Faculty Member 2011-Present

Courses Taught: *Dilemmas of Excellence and Equity in K-12 American Schools*

Dates: Fall 2011; Fall 2012; Fall 2013; Spring 2014; Fall 2014; Spring 2015; Fall 2015; Spring 2016 (two sections); Fall 2016 (two sections); Fall 2017 (2 sections)

Course received one of the highest ratings of all General Education courses in Harvard College for 7 years in a row. Ranking in fall 2014 as Professor was 4.91 out of 5.0

### **Harvard Graduate School of Education**

*Senior Lecturer* 2001-Present

Courses Taught: *School Reform: Curricular and Instructional Leadership*, *Charter Schools: Threats or Opportunities for Public Education*, *Issues in Urban Education*, *Teacher Education in Context* (doctoral seminar), and *Dilemmas in Excellence and Equity in K-12 American Schools*

- Selected by Harvard *Crimson* (Student newspaper) as *Professor of the Year for 2017*.
- Selected as Harvard Favorite Professor by Harvard Class of 2015 and 2016 and 2017. Once a year, every graduating senior at Harvard is asked to nominate his/her favorite professor (out of all courses taken over the preceding four years). Approximately 45-50 professors each year (out of all faculty members teaching in a total of 37 undergraduate departments) are honored.
- Awarded Derek C. Bok award for outstanding teaching in the Faculty of Arts and Sciences 2015 and 2016
- Awarded the Morningstar Award for Excellence in Teaching, voted by all graduate students at the Harvard Graduate School of Education 2001.
- In the last six years, served on over 35 doctoral committees and was primary advisor to 31 doctoral students.
- Faculty Member, The Principals' Center.
- Faculty Chair: *Redesigning America's High Schools for Instructional Improvement* Professional Education Program; *Charter Schools: Charting a Course for the Next Decade* Professional Education Program; *Leadership: An Evolving Vision*, Professional Education Program; *Differentiated Instruction in Mathematics and Literacy with Teacher Teams*, Professional Education Program and *School Turnaround Leader* Professional Education Program.
- Awarded prize for Excellence in Advancing Knowledge by the National Association of Charter School Authorizers for the publication of *Inside Urban Charter Schools (2009)*
- Chief architect and planner for the Harvard Teacher Fellowship Program, 2003-2014

- Organizer and developer of Proposal for Education Studies Secondary for Harvard College, 2014-Present

***Director of Teacher Education Programs*** 2001-2017

Founding Director of the Mid Career Math and Science Program (MCMS) and the Teaching and Curriculum Program (TAC). Responsibilities include the conceptualization of teacher education program components and academic course content, development of recruiting strategies and admissions criteria, and engagement of current classroom teachers as mentors.

***Director Undergraduate Teacher Education Program with Harvard College (UTEP)*** 2001-2017

Founding Director and designer of the UTEP program that offer Harvard undergraduates credentials to teach in secondary schools. Oversee the placement of the students upon program completion.

***School Leadership Program, Director*** 1999-2001

Designed and administered a masters' degree program in school leadership. Three curricular tracks included for principals, teacher leaders, and school developers. Approximately fifty students enrolled each year.

***Lecturer*** 1991-2001

Taught A 327 *Charter Schools: Threats or Opportunities for Public Education* and A-326 *School Reform: Curricular and Instructional Leadership*. Also advised doctoral and masters students and served on several school-wide review, restructuring and search committees.

***Founding Director Roderick MacDougall Center for Case Development and Teaching*** 1985-Present

Responsibilities include the conceptualization and organization of activities related to case materials development, the supervision of case writers and editors, the design and implementation of marketing and distribution systems, and the development of external financial support.

**Visiting Professional Position**

**CARNEGIE FOUNDATION FOR THE ADVANCEMENT OF TEACHING**, Stanford, CA January-June 2011

***Senior Advisor*** (on leave from Harvard University)

Responsibility for designing and implementing programs of Faculty Development of the Community College mathematics and statistics faculty at 30 institutions in 8 states as part of the Statway and Quantway Initiatives

**Harvard University Externally Funded Assignments:**

**Lemann Research Award**

***Principal Investigator*** 2017-2019

Awarded Research grant to explore Teacher Education Programs in Brazil

**Harvard Initiative on Learning and Technology**

***Principal Investigator*** 2012-2016

Awarded one of 51 university-wide HILT awards to introduce innovation in pedagogy at Harvard University

**Harvard University Chartering Practice Project**

***Principal Investigator*** 2006-2012

Funded by the Office of Innovation and Improvement, US Department of Education  
Led a five member research project to identify and document critical and common features of high-performing Massachusetts charter schools serving high-need communities. *Inside Urban Charter Schools* published by Harvard Education Press (2009) describes this work.

**Harvard University in Partnership with the Boston Public Schools and the Boston Plan for Excellence, Transition to Teaching: Mathematics and Science Project (T2MS)**

*Director and Co-Principal Investigator* 2002-2008

Responsible for the conceptualization and implementation of a U. S. Department of Education grant awarding scholarships and guaranteed teaching positions in the Boston Public Schools to Mid Career Mathematics and Science teachers who graduate from GSE.

**Massachusetts Math and Science Partnership, Making the Case: Conceptually Challenging Topics in Middle School Mathematics**

*Director and Principal Investigator* 2003-2006

Conceptualize and implement a Massachusetts Title II Project focusing on the professional development in mathematics for middle school teachers.

**Harvard Children's Initiative (formerly Harvard Project on Schooling and Children)**

*Director of Research* 1998-2000

*Founding Executive Director* 1993-1998

Founding director of one of five interfaculty, university-wide Centers at the initiative of the President of the University. Focus was on enhancing children's learning and well-being, with particular emphasis on research, program and course development, and service opportunities. Over 100 University faculty participated. Reported to the Provost and President of the University with Henry Rosovsky and Sara Lawrence Lightfoot serving as initial Board Chairs.

**Harvard Mathematics Case Development Project**

*Director and Principal Investigator* 1994-1997

Worked with 12 secondary school mathematics teachers, mathematicians and math educators to develop 22 sets of mathematics case materials for use in teacher professional education programs. Piloted program nationally. Eleven cases published by Teachers College Press as *Windows on teaching: Cases of Secondary Mathematics Classrooms*. NSF funded project.

**Regional Math Network**

*Director and Principal Investigator* 1985-1987

Responsible for the conceptualization and implementation of a National Science Foundation Teacher Enhancement and Materials Development Project focusing on middle school mathematics curricula and teachers. The grant involved collaboration among 27 businesses, 11 school districts (including the City of Boston) and Harvard University.

**UNIVERSITY OF CALIFORNIA, Riverside, CA 1989-1991**

**School of Education**

*Adjunct Assistant Professor*

Taught: *Curriculum and Instruction, Teaching Mathematics, Supervision of Teachers.*

**Director, Comprehensive Teacher Education Institute**

Full-time faculty position. Taught courses in curriculum and instruction, teacher supervision, mathematical content and pedagogy, directed the activities of an alternative teacher education program, and implemented a professional development program in local high schools.

- California Council for the Education of Teachers, Quality of Education Award
- American Association for Colleges of Teacher Education Outstanding Writing Award

**AMERICAN ASSOCIATION OF HIGHER EDUCATION, Washington, DC 1988-1990**

**Presidents' Forum on Teaching as a Profession**

***Project Coordinator***

Coordinator for Carnegie Foundation funded projects in Massachusetts, Connecticut and California focusing on teacher education, and a national research project on the case method in teacher education.

**HARVARD UNIVERSITY, Cambridge, MA 1982-1988**

**Harvard Graduate School of Education**

***Faculty Member, Teaching, Curriculum and Learning Environments Department* 1983 – 1988**

Taught: *Teaching Mathematics and Science at the Secondary Level*. Supervised doctoral work in the fields of mathematics, science and teacher education, and served on various faculty committees.

Nominated in 1988 for Charles F. Dana Award for Educational Innovation by Harvard Graduate School of Education.

***Director of Teacher Education* 1983-1988**

Founding director of the MidCareer Math and Science Program (MCMS), the Teaching and Curriculum Program (TAC) and the Undergraduate Teacher Education Program with Harvard College (UTEP). Responsibilities included the design of teacher education program components and academic course content, development of recruiting strategies and admissions criteria, and engagement of current classroom teachers as mentors. Introduced the Beginning Teacher Computer Network (pre-internet and email) for first year teachers.

***Special Assistant to the Dean for Institution Planning* 1982-1983**

Responsible for the development of recommendations regarding the School's mission relative to elementary, secondary, higher, and professional education. Duties included financial and organizational analyses of current programs and the preparation of position papers for the Dean.

**K-12 TEACHING EXPERIENCE, Various locations 1968-1979**

**Chelmsford MA Public Schools, *Coordinator of Mathematics, Grades K-12* 1976-1979**

- National Council of Teachers of Mathematics Mini-grant Award

**Newton MA Public Schools,**

***Assistant to the Coordinator for Mathematics, Grades K-9* 1973-1976**

***Teacher of Mathematics, Grades 10-12* 1970-1973**

**Waltham MA, Central Junior High School,**

***Teacher of Mathematics, Grades 7-9* 1969 – 1970**

**Kingston, Jamaica, Excelsior High School,**

***Teacher of Mathematics, Grades 8-11* 1968 –1969**

**Experiment in International Living, *Group leader for High School Students*, Mexico,**

Guatemala, Costa Rica, Honduras, 1968-72 (summers)

## EDUCATION

**Harvard Graduate School of Education**, Cambridge, MA

*Doctorate in Education in Educational Administration, Planning, and Social Policy*, November 1982  
Thesis title: "Enrollment Decline and Administrative Growth: A Political, Social and Organizational Study of Massachusetts Public Schools."

**Boston College**, Chestnut Hill, MA

*Master of Arts in Mathematics*, September 1974  
Thesis title: "The Theory of Permutation Groups."

**Harvard Graduate School of Education**, Cambridge, MA

*Masters of Arts in Teaching Secondary Mathematics*, June 1969  
Concentrated in curriculum development and educational policy

**Cornell University**, Ithaca, NY

*Bachelor of Arts in Mathematics*, June 1967  
Dean's List

## SELECTED PROFESSIONAL ACTIVITIES EXTERNAL TO GSE

### NATIONAL POLICY AND RESEARCH

Board Member, Pennsylvania Coalition of Public Charter Schools 2013-2014

*Secretary/Treasurer*, Charter School Research and Evaluation SIG, American Education Research Association. Washington, DC 2010-2012

Board Member, Bridge Boston Charter School, Dorchester, MA 2010-2013

*Board Member, Directorate for Education and Human Resources (HER) Advisory Committee*, **National Science Foundation**, Washington, DC 2003-2008

*Committee Member, El Paso Mathematics and Science Partnership Research and Evaluation Planning Committee and Faculty, MSP Project, El Paso Collaborative for Academic Excellence*, **National Science Foundation**, El Paso TX 2003-2010

*National Judge, Lemelson-MIT InvenTeams*, **Massachusetts Institute of Technology**, Cambridge, MA 2004-2012

*Keynote Speaker and Seminar Leader, Teacher Education for Effective Teaching, Various Sessions*, **National Research Council (NRC), The National Academies**, Washington, DC 2003-2006

*Chair, Committee of Visitors (COV), Instructional Materials Development (IMD) program, Division of Elementary, Secondary and Informal Education (ESIE), Directorate for Education and Human Resources (EHR) at the National Science Foundation, Washington, DC Spring 2005*

*Advisor, Building Excellence in Charter School Authorizing (BECSA) Project, National Association of Charter School Authorizers, Denver, CO 2004-2010*

*Board Member, National Board for Professional Teaching Standards Middle Childhood and Early Adolescence, Mathematics Standards Committee, Washington, DC 1994-1996*

*Member, National Visiting Committee, New York City Collaborative for Excellence in Teacher Preparation, in Partnership, City of New York Public Schools, New York, NY 1995*

*Member, Publications Board, American Association of Colleges of Teacher Education, Washington, DC 1994-1996*

*Member, National Advisory Board, Children's Television Workshop, Square One TV, New York, NY 1987-1994*

*Testimony, Committee on Education and Labor, United States House of Representatives, Washington, D.C., July 1985. Topic was mid-career teacher training programs (legislation was subsequently enacted to support such programs in the Higher Education Act Amendments of 1986).*

#### **SELECTED NONPROFIT BOARDS AND ADVISORY COMMITTEES**

*Advisory Board Member, Math for Teaching Advisory Board, Harvard Extension School Cambridge, MA 2017-*

*Board of Trustees, Bridge Boston Charter School, Dorchester, MA 2010-2013*

*Advisory Board Member, Baxter Academy Charter School, Portland, ME 2011-2013*

*Board of Trustees, Shackleton Schools, Inc., Ashby, MA 1998-2006*

*Advisory Board Member, Connecting Science and Literacy Project, National Science Foundation funded Professional Development Project, Center for Science Education, EDC, Newton, MA 2004-2008*

*Advisory Board Member, LABRats Program Content Advisory Committee, Society for Amateur Scientists, Museum of Science, Boston, MA 2004-2008*

*Board of Trustees Member, Consortium on Math Applications Project (COMAP), Lexington, MA 1995-2004*

*Advisory Panel, Mathematics Renaissance K-12, National Science Foundation Teacher Development Program, San Diego, CA 2000-2003*

*Advisory Board, Mathematics Case Methods, WestEd, San Francisco, CA 1998-2001*

*Advisory Board, Media and Arts Technology Charter High School (MATCH), Boston, MA 1998-*

**SELECTED CONSULTATION EXPERIENCES**

*Consultant, Instituto Singulariedades, Sao Paulo Brasil, 2017*

*Consultant, United World College Dilijan, Armenia, 2017*

*Consultant, Ministry of Education. Doha, Qatar, 2017*

*Consultant, Qatar Foundation. Doha, Qatar, 2016, 2017*

*Consultant. Instituto Singulariedades. Sao Paulo, Brazil, 2016*

*Consultant, Teach for ALL Korea, Seoul, Korea, 2014*

*Consultant, Queen Rania Teachers Academy, Amman, Jordan, 2014*

*Consultant, American Embassy, Cairo Egypt 2012-2013*

*Consultant, Ministry of Education, Santiago, Chile 2008-present*

*Consultant, Supreme Education Council, Doha, Qatar, 2007-2012*

*Consultant, Ministry of Education, San Salvador, El Salvador, 2008-2015*

*Consultant, University of Johannesburg College of Education, Johannesburg, South Africa, 2009-2014*

*Seminar Leader and Consultant, FAPDE, Juiz de Fora (Faculty of Education, Faculty of Economics, Arts and Design Institute and Department of Social Sciences) University, Juiz de Fora, Brazil, 2009-2012*

*Seminar Leader and Consultant, Costeas-Geitonas K-12 School, Athens, Greece, 2007-2010*

*Seminar Leader and Consultant, Michigan Association of Public School Academies, 2012-present*

*Seminar Leader and Consultant, Project LEAD, (DeWitt Wallace Funded Project), Springfield, MA 2003-2012*

*Seminar Leader, Teachers Network Leadership Institute, New York, New York 2005-2010*

*Seminar Leader, Cambridge Public Schools Leadership Network, Cambridge, MA 2002-2008*

*Consultant, Urban Mathematics Leadership Network, chaired by Uri Treisman, Austin, TX 2004-2007*

*Faculty Member, Charter School Resource Center*, Sacramento, CA 1999-2008

*Mathematics Professional Development Facilitator, San Diego Unified Schools*, San Diego, CA 2001-2007

*Member, Mathematics Professional Development Network*, Durham, NC 2004-2007

*Faculty Member, Pogue Leadership Initiative*, Cleveland, OH 2000-2005

*Consultant, Silicon Valley Mathematics Project*, San Jose, CA 2004-2005

*Faculty Member, Mass Insight, Inc. Professional Development Series*, Boston, MA 2002-2004

*Faculty Member, Bush Educational Leadership Program*, Minneapolis, MN 1994-2002

*Consultant, Eirad School*, Riyadh, Saudi Arabia 1997

*Consultant, Universidad de los Andes*, Bogota, Colombia 1996

## PROFESSIONAL ORGANIZATIONS

*Member, American Education Research Association*

*Member, National Council of Teachers of Mathematics*

*Member, Association of Teachers of Mathematics in New England*

*Member, American Association of Colleges of Teacher Education*

*Member, Maine Antique Tractor Club*

## PUBLICATIONS

### BOOKS, PAPERS, AND MONOGRAPHS

MERSETH, K. (ED). (2017). *Leadership Matters: School leadership and management cases in South Africa*. Capetown, South Africa Person International SA.

Merseth, K. (Senior Editor). (2015). *Confronting Challenges in School Leadership Case Book*. Santiago, Chile: The Ministry of Education of Chile

Merseth, K (Senior Editor). (2015). *Enfrentando Desafios: Estudios de Caso para Directores de Escuelas*. Santiago, Chile: The Ministry of Education of Chile



Merseth, K. & Suchman, S. (2015) *Serving English Language Learners in American Public Schools*. Bundle of curricular materials developed as part of HILT project, Cambridge, MA: President and Fellows of Harvard University.

Merseth, K. & Suchman, S. (2014) *What is the role of Charter School movement in America Public Education*. Bundle of curricular materials developed as part of HILT project,. Cambridge, MA: President and Fellows of Harvard University.

Merseth, K. & Suchman, S. (2013) *The use of race in higher education admissions decisions*. Bundle of curricular materials developed as part of HILT project, .Cambridge, MA: President and Fellows of Harvard University.

Merseth, K. (Co-Editor). (2013). *Being a Teacher* Johannesburg, South Africa: Pearson International

Merseth, K. (2011). *Moving mathematical graveyards*. Journal of Developmental Education, 34(3), 32-37.

Merseth, K. (2009). *Case studies in educational administration*. Chinese translation by the Educational Science Publishing House. Beijing: The China National Institute for Educational Research under the supervision of the Ministry of Education.<http://www.esph.com.cn/Eng/index.html>]

Merseth, K. with K. Cooper, J. Roberts, M. Tieken, J. Valant & C. Wynne (2009) *Inside urban charter schools*. Cambridge, MA: Harvard Education Publishing Group.

Merseth, K. (Ed.). (2003). *Windows on teaching: Cases of secondary mathematics classrooms*. New York: Teachers College Press.

Merseth, K. (Ed.). (2000). *Cases of school leadership: A collaborative project by the principals' center for the garden state and the Harvard Graduate School of Education*. Cambridge, MA: President and Fellows of Harvard College.

Merseth, K. (1997). *Case studies in educational administration*. New York: Longman/Addison Wesley Publisher.

Merseth, K., Beals, D., & Cutler, A. (1993). *Computer networks for novice teachers*. Cambridge, MA: Harvard Graduate School of Education.

Merseth, K. (1991). *The case for cases in teacher education*. Washington, DC: American Association of Colleges of Teacher Education and the American Association of Higher Education.

Shaw, B., Merseth, K., & Kane, R. (1982). *General math*. Boston, MA: Houghton Mifflin Company.

Merseth, K. (1980). *Geometry, Teachers Edition*. Boston, MA: Houghton Mifflin Company.

## INVITED CHAPTERS

Merseth, K. (2009). Inside classrooms in high-performing charter schools: Serving two masters? In Robin Lake (Ed.). *Hopes, fear, and realities: A balanced look at American charter schools in 2009* (pp 27-38). Seattle, WA; Center for Reinventing Public Education.

Merseth, K. (2007). Introduction. In *Making the case*. Teachers Network Leadership Institute. New York, New York.

Merseth, K. (2005). Charter schools. In Neil J. Salkind. (Ed.), *Encyclopedia of human development*. Thousand Oaks, CA: Sage Publications.

Merseth, K. & Koppich, J. (2000). Teacher education at the University of Virginia: A study of English and mathematics preparation. In L. Darling-Hammond (Ed.), *Studies of excellence in teacher education: Preparation in a five-year program* (pp. 49-81). New York, NY: Teachers College Press.

Merseth, K., Schorr, L. & Elmore, R. (1999). *Schools, community-based interventions and children's learning and development: What's the connect?* Paper presented to the Temple University Center for Research and Development, Washington, DC.

Merseth, K. (1999). The rationale for case-based pedagogy. In B. Levin, M. Lundeberg, & H. Harrington (Eds.), *Who learns what from cases and how: Research for teaching with cases* (pp. ix-xv). Mahwah, New Jersey: Lawrence Erlbaum Associates.

Merseth, K. (1996). Cases and case methods in teacher education. In J. Sikula (Ed.), *Handbook of research in teacher education* (pp. 722-744). New York: MacMillan.

Merseth, K., Stein, R., & Burack, C. (1995). Retention of career changers in secondary math and science programs. In *Building on diversity: Exploring issues of teacher retention*, by The New Teacher Recruitment and Retention Project, New York, NY: Teachers College Columbia University.

Merseth, K. (1994). Instructional methods and conceptual orientations in the design of teacher education programs. In K. Howey & N. Zimpher (Eds.), *Professional development of teacher educators* (pp. 139-174). Washington, DC: American Association of Colleges of Teacher Education.

Merseth, K. (1992). Cases for teacher decision making. In J. Shulman (Ed.), *Case methods in teacher education* (pp. 50-63). New York: Teachers College Press.

Merseth, K. & Murphy, D. (1990). Content and strategies for assisting new teachers. In A. I. Morey & D. S. Murphy (Eds.), *Designing programs for new teachers: The California experience* (pp. 57-84). San Francisco, CA: Far West Regional Laboratory.

Merseth, K. (1981). Org-10 A & B. In C. R. Christensen (Ed.), *Teaching by the case method* (pp. 233-242). Cambridge, MA: Harvard Business School Press.

Merseth, K. (1978). Using materials and activities in teaching addition and subtraction algorithms. In M. N. Suydam & R. E. Reys (Eds.), *Developing computational skills NCTM 1978 Yearbook* (pp. 61-78). Reston, VA: National Council of Teachers of Mathematics.

#### ARTICLES (\*\*\*) Indicates Refereed Publications)

\*\*\*Gravett, S., de Beer, J., Odendaal-Kroon, R. & Merseth, K. (2017). The affordances of case-based teaching for the professional learning of student-teachers, *Journal of Curriculum Studies*, 49:3, 369-390.

\*\*\* Frankenberg, E. Taylor, A. & Merseth, K., (2010) Walking the Walk: Teacher Candidates' Professed Commitment to Urban Teaching and Their Subsequent Career Decisions. *Urban Education*, 45(3), 312-346

\*\*\*Merseth, K. (2008). Using case discussion materials to improve mathematics teaching practice. *The Mathematics Educator*, 11(1/2), 3-20.

\*\*\*Merseth, K., Sommer, J., & Dickstein, S. (2008). Bridging worlds: Changes in personal and professional identities of pre-service urban teachers. *Teacher Education Quarterly*, 35(3)89-108

Merseth, K. (1997). Executive director's report. *Kaleidoscope*, 2(2): 1-2.

\*\*\*Merseth, K. (1996). The use of case studies in teacher education. *ERIC Digest* 95-5. Washington, DC. Eric Clearinghouse on Teaching and Teacher Education, SP037026.

Merseth, K. (1996). Executive director's report. *Kaleidoscope*, 2(1): 1.

Merseth, K. (1995). What's in a name? *Kaleidoscope*, 1(1): 1-2.

\*\*\*Lacey, C. & Merseth, K. (1993). Cases, hypermedia and computer networks: Three curricular innovations for teacher education." *Journal of Curriculum Studies*, 25(6): 543-551.

\*\*\*Merseth, K. (1993). How old is the shepherd? An essay on mathematics education." *Phi Delta Kappan*, 74(7): (548-554).

\*\*\*Merseth, K. & Lacey, C. (1993). Weaving stronger fabric: The pedagogical promise of hypermedia and case methods in teacher education." *Teaching and Teacher Education*, 9(3): 283-99.

\*\*\*Sandholtz, J. & Merseth, K. (1992). Collaborating teachers in a professional development school: Inducements and contributions." *Journal of Teacher Education*, 43(4): 309-318.

\*\*\*Merseth, K. (1992). First aid for first year teachers." *Phi Delta Kappan*, 73(9): 678-683.

Merseth, K. & Beals, D. (1991). The beginning teacher computer network: Supporting the teaching process." *SIGTC Connections*, 8(1): 9-11.

\*\*\*Merseth, K. (1991). The early history of case-based instruction: Insights for teacher education today. *Journal of Teacher Education*, 42(4): 243-249.

\*\*\*Merseth, K. (1991). Supporting beginning teachers with computer networks. *Journal of Teacher Education*, 42(2): 140-147.

Merseth, K. (1991). What the case method offers the teaching profession.. *Harvard Education Letter*, 7(4): 6-7.

Merseth, K. (1990). Beginning teachers and computer networks: A new form of induction support. *Research Report 90-9*. East Lansing, MI: National Center for Research in Teacher Education.

\*\*\*Merseth, K. (1990). Case studies and teacher education. *Teacher Education Quarterly*, 17(1): 53-62.

Merseth, K. & Beals, D. (1989). The beginning teacher computer network: Supporting the teaching induction process. *Proceedings of the Sixth International Conference on Technology and Education*, 1(6): 246-249.

Merseth, K. (1989). Computer networks for new teachers. *Harvard Education Letter*, 5(4): 7-8.

\*\*\*Merseth, K. (1985). Wanted: Competent math and science teachers. *Journal of College Science Teaching*, 14(4): 239-247.

\*\*\*Merseth, K. (1984). From the rhetoric of reports to the clarity of classrooms. *Educational Leadership*, 41(4): 38-42.

Merseth, K. (1983). MidCareer math and science program. *Principals' Center Newsletter*, 3(1): 6-7.

### **SELECTED CURRICULUM MATERIALS, CASES, AND SIMILAR PUBLICATIONS**

Merseth, K. and Schechter, J. (2013). Expanding Access to AP: A Path to Excellence and Equity? President and Fellows of Harvard College

Merseth, K. & Tieken, M. (2009). *Deny Thy Fate: Verona High School*: Cambridge, MA: Programs in Professional Education

Merseth, K. & Tieken, M. (2007). *San Bernardino High School*: Cambridge, MA: Programs in Professional Education

Merseth, K. & McCaimey, C. (2004). *Reed College Sweatshirt*. Cambridge, MA: Harvard Teacher Education Program

Merseth, K. & Schen, M. (2003). *William Pynchon School*. Boston, MA: Mass Insight

Merseth, K. & Deutsch, C. (2000). *Turning Points*. Washington D.C.: American Association of Colleges of Teacher Education.

Merseth, K. & Deutsch, C. (2000). *Divided Loyalties*. Washington D.C.: American Association of Colleges of Teacher Education.

Merseth, K. & Deutsch, C. (2000). *Every Mother's Child*. Washington D.C.: American Association of Colleges of Teacher Education.

Merseth, K. & Schen, M. (2000). *Time and Time Again, Again*. Mahwah, NJ: Merck Institute for Science Education.

Merseth, K. & Schen, M. (2000). *A Time to Teach and a Time to Learn*. Cambridge, MA: President and Fellows of Harvard College.

Merseth, K. & Schen, M. (2000). *Instructional Leadership*. Cambridge, MA: President and Fellows of Harvard College.

- Merseth, K., (Ed.). (1998). *Great Lakes Charter School*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1997). *Bringing a Charter School Home: The Story of the SABIS School in Springfield*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1996). *A Fare for All*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1995). *Joe Fernandez and the Rainbow Curriculum*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1995). *No More Tears*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1995). *Spencer's First Reform*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1994). *African Tracking*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1994). *Cooperation Is the Key*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1994). *Imagining the World*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1994). *Is the Game Over*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1994). *Quiet Times*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1994). *Ann Jackson: Developing the Whole Teacher*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1993). *Augusta County*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1993). *On the Cutting Edge of Reform*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1993). *To Stay or Not to Stay*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1993). *Tom Johnson: Oakton Debate Coach*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K. (1992). *It Ain't Fair!* Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K. (1992). *Jack Buick*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1992). *Dante Alighieri High School A, B & C*. Cambridge, MA: President and Fellows of Harvard College.

- Merseth, K., (Ed.). (1992). *Lake Wobegon West High School A, B & C*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1992). *Rash Decisions A, B & C*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1992). *What Grade Should I Give?* Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1992). *Who Goes?* Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1991). *Anchorage School District A, B & C*. Cambridge, MA: President and Fellows of Harvard College.
- Merseth, K., (Ed.). (1987). *Math/Space Mission*. Palo Alto, CA: Dale Seymour Publications.
- Merseth, K., (Ed.). (1987). *Quincy Market*. Palo Alto, CA: Dale Seymour Publications.
- Merseth, K., (Ed.). (1987). *Sports Shorts*. Palo Alto, CA: Dale Seymour Publications.
- Merseth, K., (Reviewer). (1975). *Advanced Algebra with Transformations and Applications*. River Forest, IL: Laidlaw/Doubleday.

### **SELECTED PRESENTATIONS**

- Rear Admirals and Biochemists: Why Do They Want to Teach High School?* Paper presented to AERA, Chicago, 1985.
- MidCareer Math and Science Program: The Search for Talented Teachers*. Paper presented to AERA, Washington, 1987.
- Career Changers Who Become Teachers: How Long Do They Stay and How Satisfied Are They—A Case of the Harvard MCMS Program*. Paper presented to AERA, Chicago, 1991.
- Computer Networks: Fostering Reflection in Beginning Teachers*. Paper presented to AERA, Chicago, 1991.
- Weaving a Stronger Fabric: The Use of Cases and Other Technologies in the Design of Coherent Teacher Education Programs*. Paper commissioned by the Holmes Group Center for Faculty Development, Fall 1991.
- Teacher Education and Beginning Math and Science Teachers in Massachusetts*. A report to the Board of Regents of Higher Education, Fall 1989.
- Leavers or Stayers: Factors that inform the intention of new teachers to accept teaching positions in urban secondary schools*, Paper presented to AERA Montreal,, Canada, 2005
- Commitment of Pre-service Teachers to Urban Education* Paper presented to AERA, Chicago, 2007

*High Performing Urban Charter Schools Paper* presented at AERA, New York, 2008

*Enrollment Decline and Administrative Growth: A Political, Social, and Organizational Study of Massachusetts Public Schools.* Doctor of Education thesis, Harvard Graduate School of Education, 1982.

*The Case Method in Training Educators.* Qualifying Paper for Doctor of Education dissertation, Harvard Graduate School of Education, March, 1981.

## COMPETITIVE GRANT PROPOSALS WRITTEN AND FUNDED

**Summary: Wrote and funded 49 grant proposals worth over \$30 million between 1983 and 2017.**

|                         |  |              |
|-------------------------|--|--------------|
| Sept 2017               | Lemann Brazil Research Fund to explore teacher Education Programs in Brasil  | \$139,361    |
|                         |  | \$12,000,000 |
| July 2014               | Assisted in the development of the grant for the Harvard Teacher Fellowship Project  |              |
| Sept-2012-present       | Hauser Initiative on Teaching and Learning, Harvard University, (development of pedagogical materials for higher education classrooms) | \$53,919     |
|                         |  | \$201,653    |
| January, 2007-Sept 2008 | Massachusetts Public Charter School Association Subcontract from the US Department of Education (Charter School Research Project)      |              |
| Winter, 2007            | National Science Foundation (Noyce Fellowships for Math and Science Teachers)  | \$ 202,000   |
| Fall 2006               | Title II Massachusetts Department of Education Conceptually Challenging Topics in Middle School Mathematics Using Case Studies         | \$73,940     |
| Winter 2005             | Harvard University President's Office (Cambridge-Harvard Summer Academy)   | \$1,000,000  |
| November 2003           | Massachusetts Department of Education (Massachusetts Math and Science Partnership)   | \$460,000    |
| June 2002               | Harvard Graduate School of Education (Honor A Teacher Campaign)  | \$250,000    |
| July 2001               | US Dept of Education (Transition to Teaching Math and Science Program)   | \$580,000    |

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| February 2001     | Harvard University President's Office<br>(Cambridge-Harvard Summer Academy)  | \$1,000,000 |
| October 1998      | Boston Foundation<br>(Charter School Working Group)  | \$20,200    |
| February 1998     | Kauffman Foundation<br>(Hit or Miss? Examining the Influence of School, Social Service,<br>and Community Interventions on Behalf of Children's Learning<br>and Well Being) (Co-author with Lisbeth Schorr) | \$160,000   |
| August 1997       | W. T. Grant Foundation<br>(Post-Doctorate Fellowship Program in Evaluating Programs for<br>Children)<br>(Co-author with Mary Askew and Carol Weiss)  | \$464,194   |
| December<br>1996  | Geraldine R. Dodge Foundation<br>(Innovative Schools Initiative Case Writing Project)  | \$35,000    |
| November<br>1996  | The US Department of Education<br>(Sub contract with Education Development Corporation to Support<br>Charter School Conference)  | \$38,500    |
| September<br>1996 | Spencer Foundation<br>(Post doctoral Fellowship Program in Evaluating Programs for<br>Children)<br>(Co-author with Carol Weiss and Mary Askew)   | \$720,599   |
| March 1996        | Carnegie Corporation of New York<br>(Children's Studies at Harvard)<br>(Collaborator with Martha Minow and Stuart Hauser)  | \$1,000,000 |
| December<br>1994  | The Pew Charitable Trusts<br>(Harvard Strategies to Enhance Children's Learning)   | \$750,000   |
| September<br>1994 | National Science Foundation<br>(Co-Principal Investigator with Professor Irwin Shapiro of Teacher<br>Education Addressing Math and Science in Cambridge and Boston<br>- TEAMS-BC)                          | \$5,007,000 |
| May 1994          | Provost Innovation Fund<br>(Student Research Assistant Support) (Co-author with Mary<br>Askew)   | \$95,840    |
| May 1994          | Exxon Education Foundation<br>(Math/Science Matters: Translating Educational Research for<br>Parents and Teachers)   | \$14,500    |



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| January 1994   | National Science Foundation<br>(Mathematics Case Development Project)  | \$379,325 |
| September 1992 | Faculty Research Innovative Fund<br>Harvard Graduate School of Education<br>(Career Changers in Secondary Math and Science Classrooms:<br>Rookies or Sages--Novices or Experts?) | \$4,918   |
| July 1992      | Dwight D. Eisenhower Math and Science Education Program<br>(Co-author with Professor Robert Traver for Integrated Math and<br>Science Teaching Institute)                        | \$30,000  |
| July 1990      | California State Department of Education<br>(Implementation of Comprehensive Teacher Education Institute)  | \$57,504  |
| December 1989  | California State Department of Education<br>(Implementation of Comprehensive Teacher Education Institute)  | \$137,000 |
| July 1989      | Hitachi Foundation<br>(Research Grant for the Beginning Teacher Computer Network)  | \$60,673  |
| February 1989  | California State Department of Education and the University of<br>California<br>(Planning Grant for Comprehensive Teacher Education Institute)                                   | \$57,000  |
| August 1988    | Commonwealth of Massachusetts Board of Regents<br>(Title II Money) (Support for Beginning Teacher Symposia and<br>Mentor Training)   | \$38,885  |
| May 1988       | Hazen Foundation<br>(Recruiting Ex-G.I.'s to Teaching)   | \$5,200   |
| March 1988     | Commonwealth of Massachusetts Board of Regents<br>(Planning Grant for Mentor Training Programs)  | \$5,000   |
| November 1987  | Arthur D. Little<br>(Scholarship for Mid-Career Math and Science Program)  | \$5,400   |
| June 1987      | Commonwealth of Massachusetts Board of Regents<br>(Title II Money) (Support for Beginning Teacher Symposia and<br>Summer 1989 Experienced Teacher Institute)                     | \$42,420  |
| June 1987      | Arthur D. Little Co.<br>(Financial aid for Mid-Career Math and Science Program)  | \$10,500  |
| June 1987      | Metropolitan Life Foundation<br>(Collaborative teacher training for new and veteran teachers)  | \$55,219  |

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| February 1987  | General Telephone and Electronics<br>(Financial aid for Mid-Career Math and Science Program)   | \$120,000 |
| December 1986  | National Endowment for the Humanities<br>(Co-author with M. Jones for program support and financial aid for the Teaching and Curriculum Program) | \$438,599 |
| November 1986  | Polaroid Corporation<br>(Support for Mid-Career Math and Science Program)  | \$15,000  |
| September 1986 | Arthur D. Little Co.<br>(Financial aid for Mid-Career Math and Science Program)  | \$10,500  |
| February 1986  | Andrew W. Mellon Foundation<br>(Program support and financial aid for Teaching and Curriculum Program)   | \$500,000 |
| January 1986   | U.S. Department of Education<br>(Summer Institute for Math Teachers, program evaluation of Mid-Career Math and Science Program)                  | \$76,264  |
| September 1985 | Anonymous Donor<br>(Financial aid for Mid-Career Math and Science Program)   | \$50,663  |
| August 1985    | Commonwealth of Massachusetts Board of Regents<br>(Support for summer 1986 Institute for Math Teachers and First Year Teacher Symposia)          | \$38,314  |
| May 1985       | Arthur D. Little Co.<br>(Financial aid for Mid-Career Math and Science Program)  | \$10,500  |
| April 1985     | National Science Foundation<br>(Support for curriculum development and teacher invigoration project)   | \$525,682 |
| April 1985     | Cabot Corporation<br>(Support for Mid-Career Math and Science Program)   | \$25,000  |
| December 1984  | General Telephone and Electronics<br>(Financial aid for Mid-Career Math and Science Program)   | \$120,000 |
| November 1984  | Polaroid Corporation<br>(Support for Mid-Career Math and Science Program)  | \$15,000  |
| December 1983  | General Telephone and Electronics<br>(Financial aid for Mid-Career Math and Science Program)   | \$120,000 |
| November 1983  | Polaroid Corporation<br>(Support for Mid-Career Math and Science Program)  | \$15,000  |

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| October 1983 | Pfizer Foundation, Inc.<br>(Support for Mid-Career Math and Science Program)     | \$5,000  |
| July 1983    | Josiah Macy, Jr. Foundation<br>(Support for Mid-Career Math and Science Program) | \$15,000 |