

SARAH R. HICK

1857 GOODRICH AVE., ST. PAUL, MN 55105 ♦ (612) 275-6526 ♦ SHICKØ1@HAMLINE.EDU

EDUCATION

UNIVERSITY OF MINNESOTA

Ph.D. 2008

Major: Curriculum & Instruction: Science Education

Supporting Field: Diverse Learners

Dissertation: *Who can do it? New science teachers with reform-based teaching strategies.*

YALE UNIVERSITY

Masters of Environmental Studies, 1996

Major: Ecosystem Science & Management

GRINNELL COLLEGE

Bachelor of Arts, 1992

Major: Political Science

EMPLOYMENT HISTORY

HAMLINE UNIVERSITY ♦ School of Education, Department of Teacher Education

ASSOCIATE PROFESSOR OF EDUCATION ♦ 2007 - present

EDU 3150/1150: Schools and Society

EDU 3260: Theory to Practice

EDU 5520: Teaching Science in the Elementary and Middle Schools K-8

EDU 5640: Families, Schools, and Communities

EDU 5750/5700: Teaching in the Secondary Schools

EDU 5740/GED 7874: Teaching Science in the Middle and Secondary Schools 5-12

EDU 3660: Crucial Issues in Education

EDU 5900: Student Teaching Seminar

GED 7875: Teaching in the Secondary Schools

GED 7879: Teaching Mathematics and Science in the Middle and Sec. Schools Pt I.

GED 7874: Teaching Science in the Middle and Sec. Schools Pt II.

GED 7862: Education and Cultural Diversity

GED 7050: Student Teaching Seminar

Student teacher supervision

UNIVERSITY OF MINNESOTA ♦ College of Education & Human Development

CO-INSTRUCTOR ♦ 2006-2007

CI 5540: Special Topics in Biology Teaching: Genetics

CI 5539: Improving Secondary Science Instruction

INSTRUCTOR ♦ 2006

Upward Bound: Forensic Science

RESEARCH ASSISTANT ♦ 2005-2007

5-year \$1.4 million NSF grant on new teacher induction

STUDENT TEACHER SUPERVISOR ♦ 2004-2005

SCIENCE MUSEUM OF MINNESOTA ♦ Saint Paul, MN ♦ 2003-2004
OUTREACH EDUCATOR, *Explain Your Brain* Program

SAINT PAUL PUBLIC SCHOOLS ♦ Saint Paul, MN ♦ 1998-2003
SCIENCE TEACHER

Regular Biology, Regular Environmental Science, AP Environmental Science, Building
Technology Academy Science, History of Education.

CARLETON COLLEGE ♦ Northfield, MN ♦ 2001-2002
INSTRUCTOR, *Environmental Science at Carleton*

INDEPENDENT SCHOOL DISTRICT 196 ♦ Rosemount, MN ♦ 1997-1998, 2005
SCIENCE TEACHER, Eastview HS, Apple Valley HS, School of Environmental Studies
Regular Earth Science, Summer School Science, Marine Biology

SUBSTITUTE TEACHER 1996, 2004-2007, 2022→
Richfield, ISD 196, Roseville, and Saint Paul Public Schools.

GRANTS AND AWARDS

Runner-Up ♦ Minnesota Cup, Social Venture Division ♦ 2013
Buckman Fellow ♦ University of Minnesota ♦ 2012-2013
Hamline-Hancock Collaborative Grant ♦ 2009.
Outstanding Teacher Award ♦ St. Paul Central High School ♦ 2002

INTERNATIONAL/NATIONAL CONFERENCE PRESENTATIONS

Ewing Flynn, J., Dembouski, L., Hick, S., & de Novais, J. (2019, November) Hidden and suppressed narratives: A Feminist, intersectional look at women's experiences in academia. Presentation at the annual conference of the National Association for Multicultural Education; Tucson, AZ.

Donna, J. & Hick, S. (2016, January) Learning science while teaching science? : Working to develop elementary pre-service teacher subject matter knowledge through their use of educative curricular materials within field experiences. Presentation at the Annual Convention of the Association of Science Teacher Educators Annual International Conference; Reno, NV.

Donna, J. & Hick, S. (2015, January). Warming up to teaching and learning science the NGSS way: Results of a Year 1 Pilot of an on-line educative curriculum guide on convection. Presentation at the Annual Convention of the Association of Science Teacher Educators (ASTE), Portland, OR.

Donna, J. & Hick, S. (2015, January). Technology-Enhanced Performance Tasks (TEPTs): An approach to developing and assessing Science and Digital Literacy the NGSS way within a Middle School Science Classroom. Presentation at the Annual Convention of the Association of Science Teacher Educators (ASTE), Portland, OR.

Donna, J. & Hick, S. (2014, April). Engaging and Easy-to-Teach Thermal Energy Activities

- from 3Ring.org that Warm Students Up To Science. National Science Teachers Association (NSTA), Annual National Conference, Boston, MA.
- Donna, J. & Hick, S. (2014, January). Binder: Exploring a new web-based tool designed to support beginning teacher lesson-planning. Presentation at the Annual Convention of the Association of Science Teacher Educators (ASTE), San Antonio, TX.
- Sterner, D., Kline, F., Hillis, M., Hick, S. (2012, Mar.) Invited Plenary Session Panel: Teacher Performance Assessment. Association of Independent Liberal Arts Colleges of Teacher Education (AILACTE) Annual Conference. Chicago, IL.
- Hick, S, Roerhig, G., and Luft, J. (2008, Jan.). Portrait of a new reformer: A Case study of a new science teacher with reform-based teaching practices. Association of Science Teacher Educators (ASTE), Annual International Conference. St. Louis, MO.
- Hick, S., Basford, L. (2007, April). White teachers in an American Muslim school: A Case study. American Educational Research Association (AERA) Annual International Conference. Chicago, IL.
- Hick, S., Roehrig, G, and Luft, J. (2007, April). How do they do it? Lesson-Planning strategies of reform-based and non-reform-based new science teachers. National Association of Research in Science Teaching (NARST), Annual International Conference, New Orleans, LA.
- Hick, S., Roehrig, G, and Luft, J. (2007, Jan.). Who can do it? New science teachers with reform-based teaching strategies. Association of Science Teacher Educators (ASTE), Annual International Conference, Clearwater, FL.

STATE/REGIONAL CONFERENCE PRESENTATIONS

- Donna, J. & Hick, S. (2013, August). 3Ring. MN Cup: Social Venture Division Finals, Minneapolis, MN.
- Donna, J. & Hick, S. (2013, June). 3Ring. MN Cup: Social Venture Division Pitch Night, Minneapolis, MN.
- Donna, J., Hick, S., Miller, B., Hosack, B., Carmichael, L. (2010, Oct.). Building curricular engineers; Exploring the role of technology in supporting pre-service and beginning science teacher curriculum development. North Central Association of Science Teacher Educators (NCASTE) Fall Meeting. Minneapolis, MN.
- Hick, S. (2009, Dec.). Acting like animals: Kinesthetic lessons in natural selection. MN Science Teachers Association (MnSTA) Annual Biology Teachers Conference. St. Paul, MN.
- Hick, S. (2008, Dec.). Discovering DNA: Letting students be scientists. Minnesota Science Teachers Association (MnSTA) Annual Biology Teachers Conference. St. Paul, MN.
- Donna, J.D., McDonald E., Kirckoff, A., & Hick, S. (2008, December). Using historical and science fiction in biological education. Minnesota Science Teachers Association (MnSTA) Annual Biology Teachers Conference, St. Paul, MN.

Hick, S. (2005, April). Activities in natural selection. National Science Teachers Association (NSTA) Annual National Convention. Dallas, TX.

Hick, S. (2003, Dec.). Assessing with a crime lab. Minnesota Science Teachers Association (MnSTA) Annual Biology Teachers Conference, St. Paul, MN.

REFEREED CURRICULUM MATERIALS

Donna, J.D., & Hick, S.R. (2014). Teaching Guide for Convection. 3Ring.

PUBLICATIONS

Hick, S (2018). Showing Up. In S. A. Shelton, T. Grosland, & J. Flynn [Eds], *Feminism and Intersectionality in Academia*, (in print). New York: Palgrave/MacMillan.

Donna, J. & Hick, S. (2017). Developing elementary pre-service teacher subject matter knowledge through the use of educative science curricular materials. *Journal of Science Teacher Education*, 28(1), pp. 92-110. <http://dx.doi.org/10.1080/1046560X.2017.1279510>

Hick, S. (2017). You Learning Cycled Us! Teaching the Learning Cycle *Through* the Learning Cycle. *Innovations in Science Teacher Education*, 2:2. <http://innovations.theaste.org/you-learning-cycled-us-teaching-the-learning-cycle-through-the-learning-cycle/>

Basford, L., Hick, S. & Bigelow, M. (2007). Educating Muslims in an East African US charter high school. Occasional Paper No. 147. National Center for the Study of Privatization in Education, Columbia University, New York, NY, November 15, 2007. <http://www.ncspe.org/list-papers.php>

CAMPUS SERVICE

HAMLIN UNIVERSITY

MEMBER	MATH DEPARTMENT SEARCH COMMITTEE ♦ 2022
MEMBER:	ACADEMIC AFFAIRS COMMITTEE ♦ 2020→
REPRESENTATIVE	UNDERGRAD. CURRICULUM COMMITTEE ♦ 2012 – 2014, 2016 – 2019
MEMBER	STUDENT PROGRESS COMMITTEE ♦ 2015 - 2018
CHAIR	HAMLIN SCHOOL OF ED. PROGRAM REVIEW ♦ 2016 - 2017
CHAIR	ACADEMIC AFFAIRS COMMITTEE, SCHOOL OF ED. ♦ 2016 – 2017
MEMBER	ACADEMIC AFFAIRS COMMITTEE, SCHOOL OF ED. ♦ 2014 – 2016
MEMBER	ASSESSMENT COMMITTEE, SCHOOL OF ED. ♦ 2014 - 2016

FACULTY LEAD EDTPA ♦ 2012 – 2015

CHAIR FACULTY SEARCH COMMITTEE, ASST. PROF. IN K-6 MATH ♦ 2011

REPRESENTATIVE UNIVERSITY FACULTY COUNCIL ♦ 2010 – 2012

MEMBER ACADEMIC PROGRAM REVIEW COMMITTEE ♦ 2010 – 2012

ORGANIZER HAMLIN/HANCOCK ELEMENTARY SCHOOL WATER DAY ♦ 2009

MEMBER SEARCH COMMITTEE, DEAN OF SCHOOL OF EDUC. ♦ 2008 -2009

MEMBER SEARCH COMMITTEE, ASST. PROF. OF EDUCATION ♦ 2007 -2008

SAINT PAUL PUBLIC SCHOOLS

CHAIR ENVIRON. SCIENCE CURRICULUM DESIGN COMMITTEE ♦ 1998-1999

MEMBER C.H.S. SMALL LEARNING COMMUNITIES DESIGN TEAM ♦ 2001-2003

MENTOR NEW TEACHER MENTOR PROGRAM ♦ 2001-2003

PROFESSIONAL SERVICE

EVALUATOR MISSISSIPPI MIDDLE SCHOOL SCIENCE ASSESSMENT ♦ 2019

SCORER TEACHER PERFORMANCE ASSESSMENT MINNESOTA PILOT TEST ♦ 2011

REVIEWER PEARSON INITIAL LICENSURE EXAM IN LIFE SCIENCES (9-12).
BLOOMINGTON, MN. ♦ 2010.

REVIEWER ASSOCIATION OF INDEPENDENT LIBERAL ARTS COLLEGES OF TEACHER
EDUCATION ANNUAL CONFERENCE ♦ 2010

E-MENTOR STEMMP ♦ 2006-2008
(Science., Tech., Engineering & Mathematics in MN Program)

MEMBER MN SCIENCE TEACHERS' ASSOCIATION, BIOLOGY TEACHERS CONFERENCE
PLANNING COMMITTEE ♦ 2006-2009

BOARD
MEMBER RIVER'S EDGE ACADEMY CHARTER HIGH SCHOOL
ST. PAUL, MN ♦ 2004-2008

COOPERATING
TEACHER ST. CATHERINE'S UNIVERSITY ♦ 2002
UNIVERSITY OF MINNESOTA ♦ 1999, 2001

PROFESSIONAL MEMBERSHIP

American Association for the Advancement of Science
National Science Teacher Association
National Association of Research in Science Teaching

Association of Science Teacher Educators