

Amy E. Ryken

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EDUCATION

Ph.D.	University of California, Berkeley, CA Graduate School of Education Policy, Organization, Measurement, Evaluation Research	1997-2001
M.P.H.	University of California, Berkeley, CA School of Public Health Health Education	1988-1990
B.A.	Mills College, Oakland, CA Biochemistry Professional Clear Teaching Credential Chemistry/Biology	1981-1985

EXPERIENCE

School of Education, University of Puget Sound, Tacoma, WA

Dean	2017-present
Distinguished Professor	2018-present
Professor	2013-2018
Associate Professor	2007-2013
Assistant Professor	2001-2007

- Lead School of Education program development initiatives
- Teach courses and advise students in Master of Arts in Teaching program
 - EDUC 616: Elementary Learning and Teaching (Mathematics and Science)
 - EDUC 618: Learning and Teaching in the Subject Area (Mathematics and Science)
 - EDUC 420: Multiple Perspectives on Classroom Teaching and Learning
 - EDUC 615: Differentiating and Documenting Learning
 - EDUC 629: Seminar in Educational Experience, Context and Meaning
- Lead and support campus diversity, inclusion, and equity initiatives through service on Diversity Advisory Council, Race and Pedagogy Institute, Committee on Diversity, and Transgender Advocacy and Inclusion Committee
- Co-led curriculum development process to add Knowledge, Identity & Power graduation requirement
- Develop and teach interdisciplinary courses
 - ENVR 204: Learning in Nearby Nature
 - HUM 327: Queer Cultures
- Collaborate in school/university partnerships with McCarver Elementary School and Tacoma Public Schools
- Co-led curriculum and program development for the environmental policy interdisciplinary minor
- Write grants to support curriculum and program development

EXPERIENCE

- Education Director** 1994-2001
Berkeley Biotechnology Education, Inc., Berkeley, CA
--Supervised 80 high school and community college students annually in laboratory placements
--Co-wrote grants that funded operating budget of \$500,000 per year
--Developed professional development for high school and community college science teachers
--Planned and facilitated meetings for students, teachers, industry personnel, and parents
--Implemented support services such as tutoring, youth development activities, crisis intervention
- Co-Principal Investigator & Instructor** 1996-2001
Laney Community College, Oakland, CA
--Co-wrote \$750,000 National Science Foundation Advanced Technological Education grant to develop a process laboratory and articulate curriculum with California State University, Hayward
--Taught biotechnology cooperative education and study skills for the sciences
--Facilitated meetings for instructors, college administrators and industry representatives
--Assisted students with the job search process, resume development, and interviewing skills
- Science Teacher** 1990-1994, 1985-1988
Berkeley High School, Berkeley, CA
--Taught chemistry, biology and integrated science courses
--Worked as Teacher Intern (Assistant Process Development Scientist) at Bayer Corporation
--Developed professional development community for chemistry teachers
--Facilitated English/history/science core teacher planning group
--Wrote grant to take 50 9th graders to the Yosemite National Forest to plant trees
- Health Educator** 1989-1990
Richmond Unified School District, Health Education Office
Contra Costa County Health Department, Youth Violence Prevention Project
--Organized community groups to develop comprehensive health programs at elementary schools
--Developed violence prevention curriculum materials for high school students
- Student Teacher** 1984-1985
Berkeley High School, Berkeley, CA
--Taught chemistry to 11th and 12th graders
Wildwood Elementary School, Piedmont, CA
--Designed and taught environmental science program for 3rd graders
Piedmont Middle School, Piedmont, CA
--Taught human physiology to 7th graders
Montera Junior High School, Oakland, CA
--Tutored 7th through 9th grade math students in algebra

PUBLICATIONS

- Boer, M., Pugh, M., & Ryken, A.E. (Eds.). (2018). Undoing miseducation: Centering race and unlearning racism in teacher education. *Race and Pedagogy Journal: Teaching and Learning for Justice*, 3 (1).
- Sanders, D. L., Ryken, A. E., & Stewart, K. (Eds.). (2018). Navigating nature, culture and education in contemporary botanic gardens. *Environmental Education Research*, 24 (8). DOI: 10.1080/13504622.2018.1477122
- Ryken, A. E. & Duthely, R. (Eds.). (2017). *Race and Pedagogy Journal: Teaching and Learning for Justice*, 2 (3).
- Ryken, A. E. (2017). Teaching and learning in nearby nature. *The Arrow: A Journal of Wakeful Society, Culture & Politics*, 4 (1), 33-52.
- Ryken, A. E., Hamel, F. L., & Alcorn, F. D. (Eds.). (2016). *Race and Pedagogy Journal: Teaching and Learning for Justice*, 1 (3).
- Ryken, A. E., & Hamel, F. L. (2016). Looking again at “surface level” reflections: Framing a competence view of early teacher thinking. *Teacher Education Quarterly*, 43 (4), 31-53.
- Ryken, A. E. (2015). Engaging children’s spontaneous questions about social diversity. *Multicultural Perspectives*, 17 (2), 99-105. DOI: 10.1080/15210960.2015.1022450
- Wacker, N. & Ryken, A. E. (2012). Because it’s a girl cake!: Fostering dialogue about gender identity in elementary classrooms. *Northwest Passage: Journal of Educational Practices*, 10 (1), 65-78.
- Ryken, A. E. (2011). Elementary classrooms and gender: Two conversations. *quiet Shorts*, 1 (3), 24-25.
- Ryken, A. E., & Hamel, F. L. (2011). What matters is mutual investment and evidence-based dialogue: Designing meaningful contexts for teacher learning. *Northwest Passage: Journal of Educational Practices*, 9 (2), 95-103.
- Hamel, F. L., & Ryken, A. E. (2010). Reframing school-university partnerships in an era of accountability. *Teacher Education and Practice*, 23 (3), 292-313.
- Ryken, A. E., & Senn, H. A. (2010). *Curriculum guide: Glimmering gone exhibition by Ingelena Klenell and Beth Lipman at the Museum of Glass*. Tacoma, WA: Museum of Glass.
- Bartosh, O., Ryken, A. E., Tudor, M., & Mayer-Smith, J. (2010). Tahoma Outdoor Academy: Learning about science and the environment inside and outside the classroom. In Robert E. Yager (Ed.) *Exemplary Science for Resolving Societal Challenges*. (pp. 93-110). Arlington, VA: National Science Teachers Association.

PUBLICATIONS

- Hamel, F. L., & Ryken, A. E. (2010). Rehearsing professional roles in community: Teacher identity development in a school-university partnership. *Teacher Development*, 14 (3), 335-350. DOI: 10.1080/13664530.2010.504015
- Cox, J., Sterner, D., Kurtz, M., Ryken, A., Otto, P., & Tudor, M. (2010). A model for field investigation in the science classroom. *Washington Science Teachers' Journal*, 51 (2), 30-33.
- Ryken, A. E. (2009). Multiple representations as sites for teacher reflection about mathematics learning. *Journal of Mathematics Teacher Education*, 12, 347-364. DOI 10.1007/s10857-009-9107-2
- Ryken, A. E. (2009). Interpreting nature: Connecting to visitor understandings. *Roots: Botanic Gardens Conservation International Education Review*, 6 (1), 9-13.
- Ryken, A. E., Bowers, L.F., Tudor, M., & Koehler, G. (2008). Cougars and the community. *The Science Teacher*, 75 (4), 36-40.
- Ryken, A. E., Otto, P., Pritchard, K., & Owens, K. (2007). *Field investigations: Using outdoor environments to foster student learning of scientific processes*. Olympia, WA: Pacific Education Institute.
- Windschitl, M., Dvornich, K., Ryken, A. E., Tudor, M., & Koehler, G. (2007). A comparative model of field investigations: Aligning school science inquiry with the practices of contemporary science. *School Science and Mathematics*, 1 (107), 367-390.
- Ryken, A. E. (2006). "Goin' somewhere": How career technical education programs support and constrain urban youths' career decision-making. *Career and Technical Education Research*, 31 (1), 49-71.
- Hamel, F. L., Ryken, A. E., Kokich, M., Lay, O., & King, J. (2006). Intentional partnerships: Generating learning within and across institutional contexts. *Association of Independent Liberal Arts Colleges for Teacher Education (AILACTE) Journal*, 3 (1), 41-59.
- Ryken, A. E. (2006). Multiple choices, multiple chances: Fostering re-entry pathways for first generation college students. *Community College Journal of Research and Practice*, 30 (8), 593-607.
- Ryken, A. E. (2004). The holding power of internships: Analyzing retention in a school-to-career program. *The Community College Enterprise: A Journal of Research and Practice*, 10 (2), 37-46.

PUBLICATIONS

- Beck, T. A., Kline C., Ryken, A. E., & Hamel, F. L. (2004). Mirror accountability: Using data to see ourselves and to show ourselves to others. *Association of Independent Liberal Arts Colleges for Teacher Education (AILACTE) Journal*, 1 (1), 69-89.
- Ryken, A. E. (2004). A spider and a fly in a web: Seeing myself in the details of praxis. *Reflective Practice*, 5 (1), 111-123.
- Ryken, A. E. (2001). *Motivational effects of using occupations as themes for instruction*. National Academy of Sciences National Research Council Committee for Increasing High School Students' Engagement and Motivation to Learn. Commissioned paper.
- Ryken, A. E. (2001). *Content, pedagogy, results: A thrice-told tale of integrating work-based and school-based learning*. Unpublished doctoral dissertation, University of California, Berkeley. Committee Members: W. Norton Grubb (Chair), David Stern, Meredith Minkler.
- Ryken, A. & Lee, J. (2001). *Biotechnology education program operations manual*. Berkeley, CA: Berkeley Biotechnology Education, Inc.
- Alscher, P., & Ryken, A. (2000). *Inorganic chemistry laboratory manual*. Oakland, CA: Laney College Bioscience Career Institute.
- Hubbard, D. W., & Ryken, A. (1994). *Ninth grade integrated science curriculum units*. Berkeley, CA: Berkeley High School.

EXHIBITIONS

Book Power Redux, 2014

23 Sandy Gallery, Portland, OR

Book Title: *Are you a boy or a girl?: Conversations about gender in elementary classrooms*

Portraits of Pride, 2012

Gay City Health Project, Seattle, WA

Book Title: *Are you a boy or a girl?: Conversations about gender in elementary classrooms*

Hide//Seek//Difference//Desire//Northwest, 2012

Queering the Museum Project at The Space, Tacoma, WA

Book Title: *Are you a boy or a girl?: Conversations about gender in elementary classrooms*

First Annual Members Exhibition, Puget Sound Book Artists, 2011

Collins Memorial Library, University of Puget Sound, Tacoma, WA

Book Title: *Are you a boy or a girl?: Conversations about gender in elementary classrooms*

REVIEWS OF ARTIST BOOK

"Northwest Artists Respond to Tacoma Art Museum's Gay Art Show 'Hide/Seek' with an Illuminating Group Show at The Space," review of group exhibition

"Hide//Seek//Difference//Desire//Northwest" by Rosemary Ponnekanti, *Tacoma News Tribune*, May 8, 2012 (<http://blog.thenewstribune.com/arts/2012/05/08/northwest-artists-respond-to-tacoma-art-museums-gay-art-show-hideseek-with-an-illuminating-group-show-at-the-space/>)

"We Can Help Students Think About Who They Are and Who They are Becoming," interview about artist's book *Are you a boy or a girl?: Conversations about gender in elementary classrooms* by Robin Wilson, *The Chronicle of Higher Education*, November 13, 2011

(<http://chronicle.com/article/Amy-E-Ryken-a-Female/129756/>)

"Boy or a Girl: Conversations About Gender in Elementary Classrooms," arts feature article by Alec Clayton, *Weekly Volcano*, August 3, 2011

(<http://www.weeklyvolcano.com/entertainment/arts-feature/2011/08/Are-You-a-Boy-or-a-Girl-Conversations-about-gender-in-elementary-classrooms-by-amy-ryken/>)

BOOK REVIEWS & NEWSPAPER ARTICLES

Ryken, A. E. (2010, January). New at the conservatory: Talk back cards. *Botanical Prints*, 15(1), 4.

Ryken, A. E. (2007, Spring). Educator open house brings teachers to the Conservatory. *Botanical Prints*, 11(1), 1.

Edgoose, J., & Ryken, A. (2007, February 23). Exploring the limits of disciplinary thinking. *The Trail*, 7.

Ryken, A. E. & Senn, H. A. (2005). *Sculpture Tour*. Tacoma, WA: Metro Parks W.W. Seymour Botanical Conservatory. <http://www.metroparkstacoma.org/page.php?id=562>

Ryken, A. E. (2005, Summer). Take a sculpture tour at the Conservatory. *Botanical Prints*, 9, 1.

Ryken, A. E. (2005, Spring). Three self-guided tours now available. *Botanical Prints*, 9, pp. 1, 3.

Ryken, A. E. (2004). [Review of the book *Reading work: Literacies in the new workplace*]. *Education Review*. <http://edrev.asu.edu/reviews/rev326.htm>

Ryken, A. E. (2004, September). The education committee. *Botanical Prints*, 8(2), pp.1, 4.

Ryken, A. E. (2004). [Review of the book *The science education of American girls*]. *Education Review*. <http://edrev.asu.edu/reviews/rev244.htm>.

Ryken, A. E. (2003). [Review of the book *A vision for science education: Responding to the work of Peter Fensham*]. *Education Review*. <http://edrev.asu.edu/reviews/rev242.htm>.

Ryken, A. (2003). [Review of the book *Living things: Science works for kids series*]. *Science and Children*, 41(1), 65. <http://www.nsta.org/recommends/product.asp?id=13461>.

Ryken, A. (2003). [Review of the book *Nature of life: Readings in biology*]. *The Science Teacher*, 70(3), 96-97. <http://www.nsta.org/recommends/product.asp?id=13699>.

GRANTS

University of Puget Sound Grants

Burlington Northern Curriculum Development Grant “African American Studies and School of Education Program Development Collaboration”	2018
Burlington Northern Curriculum Development Grant “Counseling Program Self-Study and Program Development”	2017
Burlington Northern Curriculum Development Grant “African American Studies Curriculum Collaboration with School of Education”	2017
Burlington Northern Curriculum Development Grant “MAT Program Development”	2017
John Lantz Sabbatical Enhancement Award “Layered Landscapes: Foregrounding Nature/Culture Interactions in Shaping the Land”	2015
Burlington Northern Curriculum Development Grant “Knowledge, Identity and Power Curriculum Development”	2013
Burlington Northern Curriculum Development Grant “Diversity and Equity Curriculum Development”	2013
Dean’s Faculty Enrichment Grant “Are You a Boy or a Girl?: Conversations about Gender in Elementary Classrooms”	2011-2012
Burlington Northern Curriculum Development Grant “Environmental Policy and Decision Making Curriculum Development”	2010-2011
John Lantz Sabbatical Enhancement Award “Recreating the World?: Botanical Conservatories as Science Education Sites”	2008
Burlington Northern Curriculum Development Grant “Environmental Studies Curriculum Development”	2007-2009

GRANTS

Other Grants

- Pilot to Policy: Advancing Systemic Equity Grant 2018-2019
M.A.T. Program in partnership with African American Studies and the Race and Pedagogy Institute
Professional Educator Standards Board
Grant Website: <https://www.pesb.wa.gov/innovation-policy/grants-pilots/pilot-to-policy-grant/>
- Polar Program (OPP) and Undergraduate Education (DUE) Grant 2017-2019
Curriculum Development Specialist
“Computational Guided Inquiry for Polar Data Sets”
National Science Foundation
- Informal Science Education (ISE) Grant 2011-2012
Co-Principal Investigator
“Using Contemporary Evolution to Teach About the Nature of Science to Underserved Audiences”
National Science Foundation
Project Website: <http://sbs.wsu.edu/evolutionary/>
- Tenure-Line Faculty Position Grant 2009-2012
“International Environmental Policy”
Andrew W. Mellon Foundation
- Advanced Technological Education Grant 1998-2001
Co-Principal Investigator
“Biotech Education to Employment”
National Science Foundation
- Graduate Research Fellowship 1998-2001
“Community College Teaching and Learning”
University of California, Berkeley

PROFESSIONAL PRESENTATIONS

Centering race and unlearning racism in teacher preparation curriculum in partnership with African American Studies, the Race and pedagogy Institute, and Vibrant Schools Tacoma
Boer, M., Pugh, M., Ginn, K, Gordon, D., & Ryken, A. E.
Diversifying the Educator Workforce Conference, Professional Educator Standards Board
Seattle, WA, October 31, 2018

Unlearning racism
Boer, M., Pugh, M., Bowen, E., Livingston, G., Ryken, A. E., & Hamel, F.
Whole Educator Academy, Tacoma Public Schools
Tacoma, WA, August 16, 2018

What does race mean in my classroom?
Ryken, A. E., Gordon, D., Hamel, F., Boer, M., Pugh, M., & Lam, S.
Whole Educator Academy, Tacoma Public Schools
Tacoma, WA, August 16, 2017

Educating chemists and chemically literate citizens
Hanson, J., Jacobsen, E., Fisher, A., Ryken, A. E., & Gordon, C.
Jean Dreyfus Lectureship Roundtable Discussion, University of Puget Sound
Tacoma, WA, February 17, 2017

Are you a boy or a girl?: How children perceive and create ideas about gender
Ryken, A. E.
Washington Corrections Center for Women
Gig Harbor, WA September 9, 2016

Artist's books as catalysts for social change
Carlin, J., Chan, M., Greenwood, D., Harrison, L, Russell, L., & Ryken, A. E.
2014 Race and Pedagogy National Conference, University of Puget Sound
Tacoma, WA, September 4, 2014 & September 27, 2014

Learning from practice: Investigating a seminar reflection tool for debriefing student teaching experiences
Ryken, A. E., & Hamel, F.
Annual Meeting of the American Educational Research Association (AERA)
Philadelphia, PA, April 6, 2014

Sponsoring highly reflective teaching—features, tools, and dilemmas: Insights from the Japan-U.S. Teacher Education Consortium
Farrell, A., Hamel, F., Ohtani, C., Ryken, A. E., & Tosa, S.
66th American Association of Colleges of Teacher Education (AACTE) Annual Meeting
Indianapolis, IN, March 3, 2014

PROFESSIONAL PRESENTATIONS

Stand and deliver: Mitigating the effects of poverty on student success

Merrow, J., Murrell, P., Ryken, A. E., Williams, R., & Wright, K.

66th American Association of Colleges of Teacher Education (AACTE) Annual Meeting
Indianapolis, IN, March 1, 2014

Writing scientific claims about systems

Ryken, A. E., & Keith, W.

National Science Teachers Association (NSTA) Area Conference
Portland, OR, October 25, 2013

Learning from practice: Investigating a seminar reflection tool for debriefing student teaching experiences

Hamel, F. L., & Ryken, A. E.

Japan-United States Teacher Education Consortium (JUSTEC) 2013
Tacoma, WA, May 31, 2013

Gender boxes: Categories, community, and conversation

Ryken, A. E.

TEDxTacoma, <http://www.youtube.com/watch?v=8-fYbwqSfUQ>
Tacoma, WA, May 3, 2013

Gender and learning in elementary school classrooms

Ryken, A. E. & Wacker, N.

Women's and Gender Studies and the Women's Center, Pacific Lutheran University
Tacoma, WA, March 19, 2013

Listening to children's spontaneous questions and remarks about gender identity

Ryken, A. E.

Symposium on Teaching and Learning: Listening for a Wider Narrative, Saint Martin's University
Lacey, WA, October, 19, 2012

Balancing memorization and experimentation: Instructional tasks and secondary school science instruction

Woodward, J., Ryken, A. E., Rehberg, V., & Devine, J.

Thompson Hall Science and Mathematics Seminar, University of Puget Sound
Tacoma, WA, February 23, 2012

Forcing STEM education: Lessons learned from Stewart Middle School

Brown, C., Ryken, A. E., & Karlstrom, A.

National Science Teachers Association (NSTA) Area Conference
Seattle, WA, December 9, 2011

PROFESSIONAL PRESENTATIONS

Elementary classrooms and gender: Two conversations

Ryken, A.E.
quiet Speaks, Q Cafe
Seattle, WA, September 30, 2011

The thinking skills and practices of science

Ryken, A. E.
Bay-Watershed Education and Training (B-WET), Seaport Museum
Tacoma, WA, June 27, 2011

Silence = bullying and death, Conversation = relationships and life

Ryken, A. E.
Lavender Graduates' Celebration, University of Puget Sound
Tacoma, WA, May 13, 2011

Standards, student thinking and the dilemmas of accountability

Ryken, A. E.
Phi Eta Sigma Honor Society--Last Lecture, University of Puget Sound
Tacoma, WA, April 14, 2011

Building small intentional partnerships: Forging opportunities for teacher growth

Hamel, F., Ryken, A. E., & Ruiz, L.
Northwest Association of Teacher Educators (NWATE) 2011 Conference
Lacey, WA, April 1, 2011

Translating the math we learn in college into the math we teach in high school

Woodward, J., Ryken, A. E., Brown, C., & Ott, P.
Thompson Hall Science and Mathematics Seminar, University of Puget Sound
Tacoma, WA, March 10, 2011

Art and diversity: Looking critically at art on campus

Richman, E., Ryken, A. E., Carlin, J., & Smith, T.
University of Puget Sound
Tacoma, WA, March 8, 2011

"It's like when you": Possibilities and dangers of models, analogies and representations in teaching science

Neshyba, S., Ryken, A. E., Hamel, F., & Tamashiro, J.
2010 Race and Pedagogy National Conference, University of Puget Sound
Tacoma, WA, October 30, 2010

PROFESSIONAL PRESENTATIONS

Glimmering gone: Landscapes and ecology; perspectives from different disciplines

Klenell, I., Richman, E., Wimberger, P., Kupinse, B., Ryken, A. E., DeMotts, R., & Sackman, D.
Environmental Policy and Decision Making Panel Discussion, University of Puget Sound
Tacoma, WA, October 26, 2010

Tacoma garden

Ryken, A. E.
Puget Sound Association of Phi Beta Kappa
Tacoma, WA, April 18, 2010

Using social media to enhance professional identity development and document growth on standard V criteria

Riche, C. & Ryken, A. E.
7th Annual Assessment and Standard V Conference
Seattle, WA, April 15, 2010

Enhancing professional identify development through the use of social media

Riche, C., Ryken, A. E., & Woodward, J.
Educause Learning Initiative Annual Meeting
Austin, TX, January 20, 2010

Integrated inquiry units: Preparing pre-service teachers for assessment-focused unit design and teaching

Kline, C. & Ryken, A. E.
6th Annual OSPI/Higher Education Assessment Conference
Seattle, WA, April 16, 2009

What matters? Translating college learning into public school teaching

Woodward, J., & Ryken, A. E.
Thompson Hall Science and Mathematics Seminar, University of Puget Sound
Tacoma, WA, April 2, 2009

Knowledge and wonder: Learning in botanic gardens

Ryken, A. E.
Daedalus Society, University of Puget Sound
Tacoma, WA, February 23, 2009

Science of art: Glass in classrooms and at the Museum of Glass

Ryken, A.E., Yuckert, C., & Schmutz, M.
National Science Teachers Association (NSTA) Western Regional Conference
Portland, OR, November 21, 2008

PROFESSIONAL PRESENTATIONS

Field Investigations: Taking inquiry outside

Ryken, A.E., & Otto, P.

National Science Teachers Association (NSTA) Western Regional Conference
Portland, OR, November 20, 2008

Field investigations: Taking science inquiry outside

Ryken, A. E., & Otto, P.

IslandWood's 5th Annual Teacher Education Conference
Bainbridge, WA, July 31-August 2, 2008

Knowledge and wonder: What counts as evidence of learning?

Ryken, A. E.

Symposium: The Role of Botanic Gardens in the 21st Century
Linnean Society of London and Gardens for Learning
London, May 15, 2008

Recreating the world: Botanical conservatories as science education sites

Ryken, A. E.

Royal Botanic Gardens, Kew
London, May 9, 2008

Supporting kids to do real science

Ryken, A. E.

Puget Sound Association of Phi Beta Kappa
Tacoma, WA, November 3, 2007

Literacy in action: Understanding how students analyze visual representations

Ryken, A. E. & Hamel, F.

Washington Science Teachers Association (WSTA) 2007 Conference
Tacoma, WA, October 12, 2007

Unit planning frameworks

Ryken, A. E.

Teachers of Teachers of Science (TOTOS) Integration Workshop
Tacoma, WA, October 11, 2007

Understanding calculus or becoming quantitatively literate?

Woodward, J. & Ryken, A. E.

Seminar Series in Mathematics and Computer Science, University of Puget Sound
Tacoma, WA, April 18, 2007

PROFESSIONAL PRESENTATIONS

Field investigation as inquiry: Comparing descriptive, comparative, and correlative studies

Ryken, A. E.

55th National Science Teacher Association (NSTA) National Conference on Science Education
St. Louis, MO, March 31, 2007

The consequences of disciplinary thinking

Ryken, A. E., Edgoose, J., Estrada, O., & Livingston, G.

Gender Studies Panel Discussion, University of Puget Sound
Tacoma, WA, March 22, 2007

Intentional partnerships: Supporting the intersection of school and university voices in teacher education

Ryken, A. E., Kokich, M., & McCullough, J.

Northwest Association of Teacher Educators (NWATE) 2007 Conference
Seattle, WA, March 16, 2007

Intentional partnerships as an alternative to professional development schools: Programmatic school-university collaboration for the small teacher education program

Hamel, F., & Ryken, A. E.

59th American Association of Colleges of Teacher Education (AACTE) Annual Meeting
New York, NY, February 25, 2007

Reflect, renew, reinvent: Making mathematics teaching visible through multiple representations

Ryken, A. E.

Annual Meeting of the American Educational Research Association (AERA)
San Francisco, CA, April 10, 2006

Intentional partnerships: Generating learning within and across institutional contexts

Hamel, F. L., Ryken, A. E., Kokich, M., Lay, O., & King, J.

Teacher Development: The Key to Education in the 21st Century, Simon Fraser University
Vancouver, BC, Canada, March 4, 2006

Artifacts as windows: Looking together at student thinking

Kline, C., Ryken, A. E., Beck, T., & Hamel, F.

Washington Educational Research Association (WERA) & Office of the Superintendent of Public Instruction (OSPI) 20th Annual Washington State Assessment Conference
Seattle, WA, December 2, 2004

Thinking like an assessor: New teachers facing assessment dilemmas

Baxter, M., Matthews, L., Schmutz, M., Sternadel, L. & Ryken, A. E.

National Science Teachers Association (NSTA) Western Regional Conference
Seattle, WA, November 18, 2004

PROFESSIONAL PRESENTATIONS

Who is us? Who are them? What is your role in continuing the conversation?

Ryken, A. E.

Lavender Graduates' Celebration, University of Puget Sound
Tacoma, WA, May 14, 2004

"Goin' somewhere now:" How structured academic and vocational programs support and constrain career decision-making

Ryken, A. E.

Annual Meeting of the American Educational Research Association (AERA)
San Diego, CA, April 15, 2004

Developing a shared culture: Creating a collective "we" through self-study

Ryken, A. E., Beck, T., Kline, C., & Hamel, F.

Annual Meeting of the American Educational Research Association (AERA)
San Diego, CA, April 14, 2004

Progressive ways to present knowledge? Learning from tensions in pre-service teachers' thinking about reform practice

Hamel, F., Kline, C., Ryken, A. E., & Beck, T.

Annual Meeting of the American Educational Research Association (AERA)
San Diego, CA, April 13, 2004

Mirror accountability: Using data to see ourselves and to show ourselves to others

Beck, T. A., Kline C., Ryken, A. E., & Hamel, F. L.

Annual Meeting of the Association of Independent Liberal Arts Colleges of Teacher Education (AILACTE)
Chicago, IL, February 7, 2004

Documenting and assessing effective teaching practices in math and science

Ryken, A. E. Discussant.

Annual Meeting of the American Educational Research Association (AERA)
Chicago, IL, April 25, 2003

Scientific skill building: Linking high school, college, and work

Ryken, A. E.

Annual Meeting of the American Educational Research Association (AERA)
Chicago, IL, April 23, 2003

Scientific labor market diversity: Education and career path options

Ryken, A. E.

National Science Teachers Association Western Regional Conference (NSTA)
Portland, OR, November 14, 2002

PROFESSIONAL PRESENTATIONS

Envisioning a future in science: Embarking on the biotechnology educational and career pathway

Ryken, A. E.

Center for the Studies in Higher Education, University of California, Berkeley

Careers of Women in Science: Issues of Power and Control Conference

Berkeley, CA, May 13, 2001

What does success look like?: Analyzing persistence and attrition in a model biotechnology school-to-work program

Ryken, A. E.

Annual Meeting of the American Educational Research Association (AERA)

Seattle, WA, April 13, 2001

Community college students' perspectives on schooling and scientific work

Ryken, A. E.

Annual Meeting of the American Educational Research Association (AERA)

Seattle, WA, April 11, 2001

Overlaps and disjunctures: Integrating work-based and school-based learning

Ryken, A. E.

Center for Research on Education and Work, University of California, Berkeley

Career Academies Seminar

Berkeley, CA, October 5, 2000

Bioscience industry overview and career pathways

Ryken, A. E. Panel Moderator.

Diablo Valley College Symposium: Cutting-Edge Science, Cutting-Edge Curriculum

Walnut Creek, CA, April 14, 2000

Learning Network of the Community Network for Youth Development (CNYD)

Ryken, A. E. Invited Participant.

San Francisco, CA, October 1999 – January 2000

School and industry partnerships in the sciences

Ryken, A. E., Denoga, R., Jamison, A., & Kirkland, D.

Annual Meeting of the California Science Teachers Association

San Jose, CA, October 10, 1998

Educational Development Center bioscience implementation guidelines workshop

Ryken, A. E. Invited Participant.

Newton, MA, May 30-31, 1997

PROFESSIONAL PRESENTATIONS

Beyond 8th grade: A workshop on mathematical and occupational skill standards

Ryken, A. E. Invited Participant.

National Center for Research in Vocational Education

Harriman, NY, November 7–9, 1997

A model industry/school collaboration: Bio-tech job training

Long, E., & Ryken, A. E.

Annual Meeting of the Association of California Community College Administrators (ACCCA)

San Francisco, CA, March 13, 1997

Collaborative research in innovative contexts for science learning and teaching: Developing a two-year integrated science course in an urban high school

van Zee, E. H., Hubbard, D., & Ryken, A. E.

International Conference for Teacher Research

University of California, Davis, CA, April 15, 1995

Measuring CO₂ in air, breath and car exhaust

Ryken, A. E.

Bay Area Mathematics Project and Bay Area Science Project

Environmental Mathematics and Science Seminar

Albany, CA, April 1, 1995

Global Systems Science summer institute for teacher leaders

Ryken, A. E. Invited Participant.

Lawrence Hall of Science, University of California, Berkeley

Berkeley, CA, July 7-27, 1993

Chemistry and food

Ryken, A. E. Conference Organizer.

California Association of Chemistry Teachers (Northern Section) Annual Meeting

San Luis Obispo, CA, February 18-20, 1989

STUDENT PUBLICATIONS & PROFESSIONAL PRESENTATIONS

Student Publications

Wacker, N. &, Ryken, A. E. (2012). Because it's a girl cake!: Fostering dialogue about gender identity in elementary classrooms. *Northwest Passage: Journal of Educational Practices*, 10 (1), 65-78.

Sternadel, L. (2004). Inquiry and developing interpretations from evidence. *The Science Teacher*, 71(4), 38-41.

Student Professional Presentations

2018 Race and Pedagogy National Conference, Student Poster Session, University of Puget Sound Tacoma, WA, September 29, 2018

--Flock, T. *Chosen Family? A Racial Lens*

--Keehn, H. *Please Don't Take Offense: Seeing and Teaching Both Sides of the Argument*

2014 Race and Pedagogy National Conference, Student Poster Session, University of Puget Sound Tacoma, WA, September 26, 2014

--Brown-Moffitt, M., Molina, M., & Steinborn, M. *Teaching for compassion: A lesson on complicating personal identity*

--Isaacson, M. L. *Parent as partner: Creating family-like schools*

--Lowe, S. *Assessing vocabulary instruction for English language learners*

--Meyers, K. B. *How can I engage all of my students in meaningful conversations about race and diversity?*

2010 Race and Pedagogy National Conference, Student Poster Session, University of Puget Sound Tacoma, WA, October 30, 2010

--Boni, M. *Teaching for social justice through social studies*

--Butler, A., Ott, P., & Scinta, B. *Culturally responsive teaching practices in a Japanese elementary school*

--Folsom, P. *'Who can I be in this classroom?' Questioning the role of schools in Latino student identity formation*

--Maunupau, R. *De-centered voice in classroom discussion*

--McPhee-Hayes, J. *The weight of being a culturally responsive teacher*

Washington Science Teachers Association (WSTA) 2007 Conference

Tacoma, WA, October 13, 2007

--Kim, M., Murray, J., & Stockdale, Z. *Poster session: Thinking like an assessor*

Northwest Association of Teacher Educators (NWATE) 2007 Conference

Seattle, WA, March 16, 2007

--McCullough, J., & Kokich, M. *Intentional partnerships: Supporting the intersection of school and university voices in teacher education*

STUDENT PUBLICATIONS & PROFESSIONAL PRESENTATIONS

Student Professional Presentations

2006 Race and Pedagogy National Conference, Student Poster Session, University of Puget Sound
Tacoma, WA, September 15, 2006

--Archer, H. *The whole truth and nothing but the truth: Developing effective and honest relationships with Latino high school students*

--Bennett, A. *Lincoln students and Richard Wright's Black boy*

--Lindberg, G. *Do we have to sing white music? An analysis of stereotyping and racial identity development in an elementary music classroom*

--Matson, L. *Bilingual education: Help or hindrance*

--Shelton, C. *Why aren't there any black kids in secondary orchestra? Unraveling stereotypes and cultural limitations*

National Science Teachers Association Western Regional Conference (NSTA)
Seattle, WA, November 18, 2004

--Baxter, M., Matthews, L., Schmutz, M., & Sternadel, L. *Thinking like an assessor: New teachers facing assessment dilemmas*

Amy E. Ryken

COMMITTEES AND LEADERSHIP

University of Puget Sound

Phi Beta Kappa, Delta of Washington	
Committee on Members in Course (COMIC)	2009-present
Events Committee	2004-present
President	2007-2009
Vice President	2005-2007
Faculty Marshal	2009-present
Environmental Policy and Decision Making Interdisciplinary Minor	
Affiliated Faculty	2007-present
Executive Committee (Curriculum Chair)	2007-2013
Advisory Board	2003-2007
Transgender Advocacy and Inclusion Committee	2012-2017
Gender and Queer Studies Advisory Board	2014-2017
Committee to Support the Shared Curriculum	2015-2017
Diversity Advisory Council	2010-2017
Campus Art Advisory Committee	2012-2014
University Club Board of Trustees	2011-2014
Committee on Diversity	2010-2014
Chair	2010-2014
Slater Museum of Natural History	
Exhibits Advisory Committee	2008-2010
Museum Review Committee	2004
LGBT Leadership Scholarship Committee	2003-2008, 2011-2014
Faculty Senate	2006-2009
Prelude Committee & Orientation Planning Committee	2006-2009
Health Professions Advising Committee	2003-2007
Gender Studies Advisory Board	2002-2007

Amy E. Ryken

COMMITTEES AND LEADERSHIP

University of Puget Sound

University Enrichment Committee	2002-2005
Chair	2004-2005
Secretary	2003-2004

Tacoma Community Organizations

Museum of Glass	
External Grant Reviewer	2006-present
Public Programs Committee	2012-2014
Science of Art Program Evaluator	2006-2009

McCarver Elementary/UW Tacoma/Puget Sound Educational Partnership 2009-present

W.W. Seymour Botanical Conservatory	
Education Committee Chair	2004-present
Foundation Board Member	2006-2009
Education Committee Member	2001-2004

Science and Math Institute (SAMI)	2012-2014
Career/Technical Education Advisory Committee	

Tacoma Art Museum HIDE/SEEK Advisory Council 2011-2012

Tacoma Public Schools Strategic Planning Team	2002-2005
Leadership and Assistance for Science Education Reform (LASER)	

Children's Museum of Tacoma Science Advisory Committee 2002-2005

Science Fair Judge	
Mt. Tahoma High School, Wilson High School	2003-2007

Educational Institutions

University of California, Berkeley, Graduate School of Education	
Center for Research on Education and Work	1998-2001
Graduate Student Representative to Faculty	1999-2000

Berkeley High School Staff Senate	1991-1994, 1986-1988
Science Department Representative	

Mills College Alumnae Association, Oakland Branch Board	1986-1990
President	1989-1990

Amy E. Ryken

ACADEMIC AND PROFESSIONAL HONORS

Kappa Alpha Theta, Outstanding Faculty Award	2017
Keep Living the Dream Award, University of Puget Sound	2014
Graduates of Color Faculty Involvement Award, University of Puget Sound	2013
President's Teaching Award, University of Puget Sound	2007
Thomas A. Davis Teaching Award, University of Puget Sound	2004
Distinguished Professional Award, Association for Women in Science	2000
Best Female Teacher, Berkeley High School	1994
Honors in Major, Mills College	1985
Phi Beta Kappa, Mills College	1984
Jackson Berry Prize in Chemistry, Mills College	1984

PROFESSIONAL ORGANIZATIONS

Botanic Gardens Conservation International (BGCI)	2008-present
National Council of Teachers of Mathematics (NCTM)	2001-present
Teaching Children Mathematics Journal Manuscript Referee	2004-2007
National Science Teachers Association (NSTA)	2001-present
Washington Science Teachers Association (WSTA)	2002-present
American Educational Research Association (AERA)	1997-2015
Annual Meeting Proposal Reviewer	2002-2008
East Bay Association for Women in Science	1995-2001
Northern California Association of Chemistry Teachers	1987-1989
President	1988-1989