

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

Professor Emerita	2023-present
Dean	2017-2023
Distinguished Professor	2018-2023
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 and Education Studies minor

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 & 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

- Ryken, A.E. & Hamel, F. (Eds.). (2021). Honoring Dr. Dexter Gordon's visionary equity leadership: Master of Arts in Teaching candidates reflect on racial equity in practice. *Race and Pedagogy Journal: Teaching and Learning for Justice*, 5 (1).
<https://soundideas.pugetsound.edu/rpj/vol5/iss1/>
- Rowe, P. M., Fortmann, L., Guasco, T. L., Wright, A., Ryken, A., Sevier, E., Stokes, G., Mifflin, A., Wade, R., Cheng, H., Pfalzgraff, W., Beaudoin, J., Rajbhandari, I., Fox-Dobbs, K. & Neshyba, S. (2020). Integrating polar research into undergraduate curricula using computational guided inquiry, *Journal of Geoscience Education*,
[DOI: 10.1080/10899995.2020.1768004](https://doi.org/10.1080/10899995.2020.1768004)
- Boer, M., Brackett, L., Hamel, F., Pugh, M., & Ryken, A.E. (Eds.). (2020). Engaging teaching dilemmas to foster culturally responsive and antiracist teaching practice. *Race and Pedagogy Journal: Teaching and Learning for Justice*, 4 (2).
<https://soundideas.pugetsound.edu/rpj/vol4/iss2/>
- 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). <https://soundideas.pugetsound.edu/rpj/vol3/iss1/>
- 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.

PUBLICATIONS

- 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.
- 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.

PUBLICATIONS

- 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.
- 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

Changing the Conversation: Artists' Books, Zines and Broad­sides from the Collins Memorial Library Collection, 2022

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

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

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 “MPH Program Development”	2020
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

Advancing Equity Grant 2021-2023
Grant Team Leader
“Developing Racial Equity Leadership Across Pre-service and In-service Educator Contexts”
Professional Educator Standards Board
Grant Website: <https://www.pesb.wa.gov/innovation-policy/grants-pilots/pilot-to-policy-grant/>
<https://www.pugetsound.edu/cultural-competency-diversity-equity-and-inclusion-professional-development>

Pilot to Policy: Advancing Systemic Equity Grant 2018-2019
Grant Team Leader
“Master of Arts in Teaching, School of Education, University of Puget Sound in partnership with the department of African American Studies and the Race & Pedagogy Institute.”
Professional Educator Standards Board

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

Science and Environmental Studies Classroom Grant 1993-1994
“Planting Trees in the Stanislaus National Forest”
Berkeley Public Education Foundation

PROFESSIONAL PRESENTATIONS

Reflecting on Dr. Bettina Love's keynote address: Affinity space - White identifying

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

Affirming Spaces - Connecting and Building Together

Tacoma Public School & University of Puget Sound

Tacoma, WA, June 10, 2023

Overview of cultural competence, diversity, equity, and inclusion modules

Ryken, A. E., Thompson, A., & Huynh, T.

Affirming Spaces - Connecting and Building Together

Tacoma Public School & University of Puget Sound

Tacoma, WA, June 10, 2023

Panel discussion: Changing the conversation – Open cases event

Carlin, J., Chan, M., Carrington Wilson, C., Thompson Norman, B., Ryken, A. E., Pettibon, P., Greenwood, D., Harrison, L., & Spring, J.

Collins Memorial Library, University of Puget Sound

Tacoma, WA, October 26, 2022

Reflecting on practice to unlearn racism and to develop anti-racist teaching practices

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

Culturally Responsive Day of Learning and Healing

Tacoma Public School & University of Puget Sound

Tacoma, WA, June 23, 2022

Reflection walk

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

Culturally Responsive Day of Learning and Healing

Tacoma Public School & University of Puget Sound

Tacoma, WA, June 23, 2022

Panel discussion: Leveraging change across the career continuum

Moreland, V., Smith, C., Fisher, C., Ryken, A. E., Lechner, H., Yoshina, E., & Ibale, B.

Diversifying the Educator Workforce Conference, Professional Educator Standards Board

Virtual Conference, June 4, 2021

Culturally responsive and anti-racist teaching

Johnson, J., Stella, J., Wilson, A., & Ryken A. E.

Race Matters: Continuing the Conversation

Race & Pedagogy Institute, University of Puget Sound

Tacoma, WA, August 19, 2020

PROFESSIONAL PRESENTATIONS

Centering race and unlearning racism to develop culturally responsive and anti-racist teaching practice

Boer, M., Brackett, L., Pugh, M., & Ryken A. E.

Tacoma Public Schools Equity in Action Conference: Culturally Responsive Teaching & Leadership-The Expectation, Not Simply the Goal

Tacoma, WA, June 24, 2020

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

Preparing an inclusive and diverse teaching workforce

Washington Association of Colleges of Teacher Education

SeaTac, WA, October 24, 2019

Centering race and unlearning racism to develop culturally responsive and anti-racist teaching practices

Boer, M., Keehn, H., Pugh, M., & Ryken A. E.

Tacoma Public Schools Equity Summit: Dispelling False Narratives Leading to Underachievement

Tacoma, WA, June 24, 2019

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

PROFESSIONAL PRESENTATIONS

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

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

Merrow, J., Murrel, 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

PROFESSIONAL PRESENTATIONS

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

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

PROFESSIONAL PRESENTATIONS

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

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

PROFESSIONAL PRESENTATIONS

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

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

PROFESSIONAL PRESENTATIONS

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

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

PROFESSIONAL PRESENTATIONS

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

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

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

PROFESSIONAL PRESENTATIONS

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

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

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

PROFESSIONAL PRESENTATIONS

Educational Development Center bioscience implementation guidelines workshop

Ryken, A. E. Invited Participant.

Newton, MA, May 30-31, 1997

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

Curriculum Committee	2023
Bookends	2020-2021
Phi Beta Kappa, Delta of Washington	
Committee on Members in Course (COMIC)	2009-2023
Events Committee	2004-2022
President	2007-2009
Vice President	2005-2007
Strategic Enrollment Planning Process Graduate Subcommittee	2021
Vice President for Institutional Equity and Diversity Search Committee Co-Chair	2020-2021
Faculty Marshal	2009-2021
President's Advisory Panel on Racism	2020
Master's in Public Health (MPH) Working Group	2019-2020
Environmental Policy and Decision Making Interdisciplinary Minor	
Affiliated Faculty	2007-2017
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

Amy E. Ryken

COMMITTEES AND LEADERSHIP

University of Puget Sound

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

Tacoma Community Organizations

McCarver Elementary/UW Tacoma/Puget Sound Educational Partnership	2009-2020
Museum of Glass	
External Grant Reviewer	2006-2015
Public Programs Committee	2012-2014
Science of Art Program Evaluator	2006-2009
W.W. Seymour Botanical Conservatory	
Education Committee Chair	2004-2017
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
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Science Fair Judge Mt. Tahoma High School, Wilson High School	2003-2007
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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 Science Department Representative	1991-1994, 1986-1988
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Mills College Alumnae Association, Oakland Branch Board President	1986-1990 1989-1990
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Amy E. Ryken

ACADEMIC AND PROFESSIONAL HONORS

Walter Lowrie Sustained Service Award, University of Puget Sound	2023
Honorary Lavender Graduate, University of Puget Sound	2021
Outstanding Faculty Award, University of Puget Sound Leadership Award Associated Students University of Puget Sound	2020
Outstanding Faculty Award, Kappa Alpha Theta	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

Washington Association of Colleges of Teacher Education	2017-2023
Botanic Gardens Conservation International (BGCI)	2008-2015
National Council of Teachers of Mathematics (NCTM)	2001-2019
Teaching Children Mathematics Journal Manuscript Referee	2004-2007
National Science Teachers Association (NSTA)	2001-2019
Washington Science Teachers Association (WSTA)	2002-2019
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