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Education

Ph.D., Environmental Studies. Antioch University, New England, 2023
M.S., Environmental Studies. Antioch University, New England, 2021
M.A.T., Earth Science. Stony Brook University
B.S., Marine Science. Long Island University

Publications

2024 Keller, J., Kayira, J., Chawla, L., & Rhoades, J. L. (2024a). Forest Bathing Increases Adolescents' Mental Well-Being: A Mixed-Methods Study. *International Journal of Environmental Research and Public Health*, 21(1), Article 1. <https://doi.org/10.3390/ijerph21010008>
2024 Keller, J., Kayira, J., Chawla, L., & Rhodes, J. (2023b). Practicing Forest Bathing Increases Adolescent Nature Connection. *Ecopsychology*, in press.
2024 Keller, J. (2024c) Critical Contemplative Place Based Education: A Proposed Framework. *Environmental Education Research*, in preparation.
2002 Lupia, R., Herendeen, P. S., & Keller, J. A. (2002). A New Fossil Flower and Associated Coprolites: Evidence for Angiosperm-Insect Interactions in the Santonian (Late Cretaceous) of Georgia, U.S.A. *International Journal of Plant Sciences*, 163(4), 675–686. <https://doi.org/10.1086/340737>
1996 Keller, J. A., Herendeen, P. S., & Crane, P. R. (1996). Fossil flowers and fruits of the Actinidiaceae from the Campanian (Late Cretaceous) of Georgia. *American Journal of Botany*, 83(4), 528–541. <https://doi.org/10.1002/j.1537-2197.1996.tb12733.x>

Honors, Awards, Grants, and Fellowships

2023 – 2024 MacArthur Foundation, Fellowship for the TERC Institute on Climate and Equity
2023 Southampton High School, Conference Presentation Grant
2019 – 2021 Antioch University New England, President's Doctoral Fellowship
2016 – 2020 Stony Brook University, New York State Master Teacher Award
1999 Peconic Teacher Maxi Grant

Conference, Presentation and Workshop Activity

Presentations and Panel Discussions

2023 Nature-Based Social-Emotional Learning: Forest Bathing as Pedagogy, NAAEE Research Symposium
2023 Place-Based SEL for Interspecies and Intergenerational Justice, TERC Institute on Climate and Equity
2020 Land-Based Climate Solutions: Kiss The Ground Panelist, Drawdown East End
1995 Coprolites Containing Angiosperm Pollen from the Late Cretaceous, Mind-Continental Palaeobotanical Colloquium

Keynotes and Invited Lectures

2023 Connecting Young People With Their Place Is Critical For Environmental Engagement, Southold Dandelion Festival Keynote

2020 Turning Your Yard into a Certified Wildlife Habitat, Rogers Memorial Library Invited Lecture
2020 How Regenerative Agriculture Can Reverse Climate Change, Rogers Memorial Library Invited Lecture
2019 Reversing Climate Change Through Regenerative Agriculture, Southold Dandelion Festival Keynote
2019 Engaging Young People In Climate Solutions, Drawdown Learn, Omega Institute
2018 Changing Our Yards to Change The World, Southold Dandelion Festival Keynote

Workshop Organization and Facilitation

2023 Carbon Reduction For Earth Wellbeing
2020 Nature-Based Mindfulness: Practicing Forest Bathing for Teachers
2020 Pilot Online Ecological Literacy Immersion Program
2020 Better Together: Remote and Hybrid Science Teaching
2020 Drawdown East End Teach-In and Festival
2019 Geology and Ecology of Napeague Walking Dunes
2019 Salt Marsh Ecology and Dynamics for Teachers
2019 Climate Change in Standards-Aligned Classrooms
2018 Ecological Literacy Immersion Network Co-Planning
2016 Mindfulness Fundamentals for Teachers
2015 AP Environmental Science Invited Reader
2015 Ecological Literacy Immersion Program

Discussant

2023 Long Island Natural History (Since 2012)
2023 NAEE Conference
2021 Indigenous Peoples Day Teach-In
2021 Drawdown Teach-In
2021 Power, Authority, and Governance of Native Nations: Understanding United States Federal Indian Policies
2021 Indigenous Land Acknowledgements
2020 Inside-Outside: Promising Practices in Nature and Place-Based Education
2019 Forest Therapy Guide Training
2018 The Active Classroom: Frameworks and Techniques
2018 Design Thinking
2017 Mindfulness For Educators Year Long Training
2016 STANYS Suffolk
2014 Where We Go From Here
2014 Ecological Literacy Immersion Program

Teaching Experience

2024-present University of Vermont
 Practicum in Teaching
 Internship: Student Teaching
 Curriculum, Instruction and Assessment
2006-2024 Southampton High School

College Sustainability and Environmental Science (Dual Enrollment at Stony Brook University)
Senior Action Research
Senior Indigenous Science
AP Environmental Science
Earth Science
Living Environment
Biology
2017 – Stony Brook University
ESS 601 Topics in Earth and Space Sciences (co-taught with fellow NYS Master Teachers)
2004-2006 Pierson High School
Chemistry
Earth Science
Living Environment
Marine Biology
Research
1997-1998 Montauk School
Earth Science
Living Environment
Physical Science

Administrative Experience

2023 Action Research Curriculum Development
2021 Sustainability Curriculum Development with Stony Brook University
2021 Indigenous Science Curriculum Development and Service-Learning Project
2017-2021 Curriculum Writing Team, Southampton School District
2016-2020 Science Professional Learning Community Coordinator, Southampton High School
2015-2021 Southampton Leadership Team

Service

Internal – Southampton Schools

2023 Diversity, Equity, and Inclusion Task Force
2020-present Environmental Club Faculty Advisor and Community Liaison
2020 So You Want To Talk About Race Professional Learning Circle
2018 Mindfulness for Educators Professional Learning Circle
2017-2020 Mentor for new in-service science teachers
2017 Equity Task Force
2016 Start Time Committee
2015-2020 Leadership Team
2014-2019 International Sustainability Trips for Students Organizer and Leader (Iceland and Costa Rica)
2012-2022 Cooperating Teacher supporting pre-service teachers

External

2023-Present President, Southampton Trails Preservation Society
2023 Steering Committee, Coalition for Outdoor Renaming and Education
2016-Present Sustainability Committee Member, Town of Southampton

2018 Mindfulness for Educators, New York State Master Teacher Program
2017-2021 Climate Change Professional Learning Team, New York State Master Teacher Program
2016-2022 Earth Science Professional Learning Team, NYS Master Teacher Program
2008 - 2012 Vice President, Spokespeople [cycling advocacy organization]

Affiliations and Memberships

North American Association of Environmental Education
Association for Environmental Studies and Sciences
American Geographic Society
National Association of Geoscience Teachers
National Science Teachers Association
New York State Science Teachers Association
Association for Supervision and Curriculum Development

Courses Prepared to Teach

Foundations of Secondary Education
Curriculum Instruction and Assessment for Secondary School Teachers
Philosophical and Theoretical Foundations in Science
Teaching Methods Science in Middle and Secondary Schools
Teaching Methods in Earth Science, Environmental Science, Biology (Living Environment)
Practicum and Internship in Teaching supervision
Adolescent Growth and Development
Critical Science Teaching (including decolonizing science education)
Other STEM Teacher Preparation courses, including STEM Education and Research
Place-Based Education
Participatory Action Research, including YPAR
Mixed Methods Research Design
SEL in STEM Education
Environmental and Climate Justice
Environmental Studies and Science
Sustainability
Climate Change
Marine Science, Oceanography, and Marine Biology
Indigenous Science
Earth Science and Geology
Field and Salt Marsh Ecology