

Lee Beavington

Faculty of Science & Horticulture, Faculty of Arts

Kwantlen Polytechnic University

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Academic Positions Biology Lab Instructor, Faculty of Science and Horticulture, KPU, Surrey, BC. 2002–present
Instructor, Interdisciplinary Amazon Field School, Faculty of Arts & Faculty of Design, KPU, Surrey, BC and Calanoa, Colombia. 2015

Refereed Publications Beavington, L. (2015). “An interdisciplinary study in fluvial geomorphology,” *Transformative Dialogues*, Volume 8, Number 2.
Beavington, L. (2015). “All is water, and the world is full of gods,” *SFU Educational Review*, 2015 Issue.
Beavington, L. (2015). “Finding music in nature: Moving from sound sense to ecological sense,” *Journal of Curriculum Theorizing*. Revisions requested.
Beavington, L. (2015). “A narrative analysis of Maya Angelou concerning artist confidence and truth,” *Narrative Inquiry*. Under review.

Books Beavington, L. (Author). *Ethnobotany of the Colombian Amazon*, KPU Press. Required textbook for ARTS 3000 students. Scheduled to be published summer 2017.
Beavington, L. (Author). *Common marine wildlife of greater Vancouver*, KPU Press. Required textbook for BIOL 4235 students. Scheduled to be published fall 2016.
Chambers, F. (Author), & Beavington, L. (Photographer). (2014). *Wild berries of Canada*. 256 pages. Edmonton, AB: Lone Pine Publishing. Scheduled to be published summer 2016.
Lloyd, T. A. (Author), Chambers, F. (Author), & Beavington, L. (Photographer). (2014). *Wild berries of Washington and Oregon*. 256 pages. Edmonton, AB: Lone Pine Publishing.
Beavington, L. (Author) (2013). *Common plants of greater Vancouver*, 5th ed. 90 pages. Surrey, BC: Kwantlen Polytechnic University (required textbook for BIOL 2322 and IDEA 2100 students).
Chambers, F. (Author), Harris, C. (Author), & Beavington, L. (Photographer). (2012). *Wild berries of Ontario*. 232 pages. Edmonton, AB: Lone Pine Publishing.
Chambers, F. (Author), Karst, A. (Author), & Beavington, L. (Photographer). (2012). *Wild berries of Alberta, Saskatchewan and Manitoba*. 184 pages. Edmonton, AB: Lone Pine Publishing.
Chambers, F. (Author), Karst, A. (Author), & Beavington, L. (Photographer). (2011). *Wild berries of British Columbia*. 192 pages. Edmonton, AB: Lone Pine Publishing.

Book Chapters Beavington, L., Bai, H., & Romanycia, S. (2016). “Ethical-ecological holism for sacralizing science pedagogy: In honour of sea urchin sperm,” in *Animals and Science Education*, Springer Publisher. Proposal accepted.

Conference Proceedings Beavington, L. (2016). “A creative approach: Teaching biology labs through arts-based learning,” in *Tested Studies for Laboratory Teaching*, Volume 37 (K. McMahan, Editor). Proceedings of the 37th Conference of the Association for Biology Laboratory Education (ABLE). Accepted.

**Refereed
Presentations**

- Beavington, L., Chang, D., & Ho, J. (2016). "The 'Unspeakables' of Environmental Education: Overpopulation, Scientific Ethics, and the Pursuit of Happiness" (panel), Canadian Society for the Study of Education, May 28–June 1, University of Calgary. Under review.
- Beavington, L., Gagne, L., Green, C., Gress, E., King, L., & McMullen, C. M. (2015). "The Amazon as interdisciplinary teacher," 5th Annual Sociology & Criminology Undergraduate Student Conference, November 6, KPU.
- Beavington, L. (2015). "Creative approaches to teaching ecology and sustainability," International Association of Experiential Education Conference, October 23, Portland, OR.
- Beavington, L., & Chang, D. (2015). "Science via the senses: Embodied cognition and inquiry in ecological education," Earth Matters Conference, Alberta Council for Environmental Education, October 16, Canmore, AB.
- Beavington, L. (2015). "Nature as a poem: Poetic inquiry in romantic science," 5th International Symposium on Poetic Inquiry, October 8, UBC.
- Beavington, L., Gagne, L., & Green, C. (2015). "Transformative learning in the Amazon Field School," International Conference on Imagination and Education, July 3, SFU.
- Beavington, L. (2015). "A creative approach: Teaching biology labs through arts-based learning," Association for Biology Laboratory Education (ABLE), June 26, Boston University.
- Bai, H., Beavington, L., Chang, D., Eppert, C., Rasmussen, D., Falkenberg, T., & Orr, D. (2015). "Contemplating contemplative education" (symposium), Canadian Philosophy of Education Society: Canadian Society for the Study of Education, June 2, University of Ottawa, Ottawa, ON.
- Beavington, L., Chang, D., & Jack La-Croix, M. (2015). "Ecological education in a time of crisis," Learning Together Conference – Indigeneity: Ways of Knowing, May 23, SFU.
- Beavington, L., & Ling, M. (2015). "Poetry and music in/as research and teaching," Learning Together Conference – Indigeneity: Ways of Knowing, May 23, SFU.
- Beavington, L. (2015). "Creative teaching in science: Getting students to embody their learning," Northwest Biology Instructors Conference, May 3, UBC.
- Beavington, L. (2015). "Creativity in ecological learning," Association of Experiential Education: Northwest Regional Conference, April 11, Stanwood, WA.

**Other
Presentations**

- Beavington, L. (2016). "The creativity and ecology of the Amazon," Science World Speaker Series, Vancouver, BC. Under review.
- Beavington, L. (2016). "Curriculum hidden: Contemplating more-than-human ethics," City of Surrey PechaKucha Evening - sustainability theme, March 24, Surrey City Hall, Centre Stage. Under review.
- Beavington, L. (2015). White Rock and Surrey Writers' Club Literary Contest Awards Night (prose and poetry reading). Semiahmoo Art and Recreation Centre, October 21, Surrey, BC.
- Beavington, L. (2015). "Ecological inquiry into primary tropical rain forest," June 2, Calanoa Reserve, Colombia.
- Beavington, L. (2015). "The ecology and creativity of the rain forest," Active Pass Nature and Arts Festival, April 18, Mayne Island, BC.
- Beavington, L. (2015). "Poetic inquiry into nature's wisdom," Active Pass Nature and Arts Festival, April 19, Mayne Island, BC.
- Beavington, L., Elza, D., James, C., James, K., Kramer, C., Leggo, C., Mamchur, C., Norman, R., Rajabali, A., & Snowber, C. (2014). Poetry in the Garden (Poetry Reading at UBC Botanical Garden), September 14, Vancouver, BC.
- Beavington, L. (2014). "Ecology and mindfulness: Engaging the senses in the Amazon rain forest," May 19, Calanoa, Colombia.
- Beavington, L. (2014). "The Amazon River as a living system," May 22, Calanoa, Colombia.

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| Literary and Artistic Publications | “Secrets That Meander” & “Flotsam,” White Rock and Surrey Writers’ Club 2015 anthology (anthology of winning entries). | poetry/fiction | 2015 |
| | Director, Ordinary Beauty (short film on aesthetic experience and mindfulness, premiered at Active Pass Nature and Arts Festival, April 2015). Available at http://leebeavington.com/video/ordinary-beauty | film | 2015 |
| | Two winning photographs for Mayne Island Conservancy 2015 Calendar contest. | photography | 2014 |
| | “Before the Gloaming,” NewMyths.com. | poetry | 2014 |
| | “Druids Reconstructed,” <i>Clarquesworld Magazine</i> , Issue 87. | nonfiction | 2013 |
| | “Ocean (On the Ferry),” (poem), <i>Spotlight on the Arts</i> , October Issue. | poetry | 2012 |
| | “Re-evaluating my Role as Educator” (cover story), <i>The Runner</i> , 4(12), 4–5. | article | 2012 |
| | “Forgotten Forest,” <i>Pulp Mag</i> , Issue 3. | poetry | 2012 |
| | “The Cave of the Crystal Maiden,” <i>Travel Thru History</i> , October Issue. | nonfiction | 2012 |
| | “Amoeba” & “Hraunfossar,” <i>Pulp Mag</i> , Issue 1. | poetry | 2012 |
| | “Broken” & “Gravitational Waltz,” <i>Eclectica Magazine</i> , Issue 8. | fiction | 2010 |
| | “Fading Firs,” <i>Earth Matters Exhibit</i> , Surrey Art Gallery. | photography | 2009 |
| | “Writers of the Future: Creativity, Compromise & Naked Hobbit Feet,” <i>The Internet Review of Science Fiction</i> , Vol. VI:12. | nonfiction | 2009 |
| | “Keeper of the Swords,” “Soulseeker,” & “Family Tree,” <i>Kwantlen Writers’ Guild Journal</i> , Issue 2. | nonfiction/ fiction/poem | 2009 |
| | “Communications Delay,” <i>Dark Worlds</i> , Issue 3. | fiction | 2009 |
| | “Venus,” “Penticton,” & “Softshell,” <i>Every Day Poets</i> , March/April Issue. | poetry | 2009 |
| | “Water,” “Bartleby’s Return” & “Meeting in the Aisle,” <i>Eclectica Magazine</i> , Issue 7. | fiction | 2009 |
| | “A Fungal Friend,” <i>The Best of Every Day Fiction 2008</i> anthology, Every Day Publishing. | fiction | 2008 |
| | “Karma Score,” <i>AlienSkin Magazine</i> , August/September Issue. | fiction | 2008 |
| | “Genocide and Graffiti: Remembering Cambodia’s War Torn Past,” <i>Travel Thru History</i> , November Issue. | nonfiction | 2008 |
| | “The Astounding Temples and Trees of Angkor,” <i>Travel Thru History</i> , May Issue. | nonfiction | 2008 |
| | “City Complaints,” “Animal for a Day” & “Planetary Survey,” <i>Flashshot</i> August/September Issue. | fiction | 2008 |
| | “Karma Score,” <i>AlienSkin Magazine</i> , August/September Issue. | fiction | 2008 |
| | “Hiking Hallasan in the Snow,” <i>Travel Thru History</i> , March Issue. | nonfiction | 2008 |
| | “Second Opinion,” <i>Every Day Fiction</i> , June Issue. | fiction | 2008 |
| | “Thirst,” <i>Spotlight on the Arts</i> , November Issue. | poetry | 2008 |
| | “Field Trip,” “Gaia Stirs” & “Planetary Disturbance,” <i>Flashshot</i> February Issue. | fiction | 2008 |
| | “Tricky Taxonomy,” <i>AlienSkin Magazine</i> , Vol. 5, No. 3. | fiction | 2007 |
| | “Verdana,” <i>AlienSkin Magazine</i> , Vol. 4, No. 5 | fiction | 2006 |
| | “Gods at Play,” <i>Gryphonwood</i> , Vol. 2, Issue 2. | fiction | 2006 |
| | “Nucleus” & “The Silence Booth,” <i>Flashshot: Year Four</i> . | fiction | 2006 |
| “Evolution’s End,” <i>Writers of the Future</i> book, \$1500 prize. | novella | 2006 | |

Education **PhD, Curriculum Theory & Implementation: Philosophy of Education, SFU.** *2014–present*
Concentration: Educational philosophy, environmental education, poetic inquiry.
Senior supervisor: Dr. Heesoon Bai

Notable Courses:

EDUC 901, Seminar in the History of Educational Theory

EDUC 902, Interdisciplinary Seminar in Contemporary Educational Theory

Master of Education, Arts Education, Faculty of Education, SFU. *2012–2014*
(Transferred to PhD: 2014)

Concentration: Ecology, creative process, mentorship and personal transformation.

Notable Courses:

EDUC 832, The Art and Discipline of Writing and Teaching Writing

EDUC 843, Embodiment and Curriculum Inquiry

EDUC 848, Ideas and Issues in Aesthetic Education

EDUC 852, Inquiry, Creativity and Community: Drama in Education

EDUC 868, Curriculum Theory and Art Education

EDUC 869, Music Education as Thinking in Sound

Bachelor of Science, Animal Biology, Faculty of Science, UBC. *1998–2000*

Concentration: Animal behaviour, conservation, environmental ethics.

Completed two major research projects, “Iguana headbobbing as an indicator of activity level, aggression and dominance” and “The conservation implications of population-dynamics of cheetah *Acinonyx jubatus* on the Serengeti Plains, Tanzania.”

Research Arts-based learning across curriculum

Interests Romanticism in science education

Ecopsychology, biophilia, and environmental ethics

Aboriginal modes of inquiry

Creative process and mentorship

Engaged and embodied learning

Interdisciplinary natural, creative, and spiritual traditions

Creative writing and personal transformation

Teaching Teach ecology, cell biology, genetics and advanced cell and molecular biology in *2012–present*
Experience the scheduled lab system at KPU.

Frequent collaborations with other faculties and departments at KPU, including *2010–present*
Geography (GPS Eco-cache), Fine Arts (mural in the biology lab), Recreation
(running leader), IET (new media), as well as IDEA (steering committee).

Designing new field trips and lab activities, writing lab manuals, creating a video *2006–present*
catalogue of cellular life, weekly tutoring sessions, sharing teaching practices.

Instructor for the Interdisciplinary Amazon Field School, a collaboration among *2014–2015*
Faculty of Arts, Faculty of Design (KPU) and the Calanoa Project (Colombia).

Co-developed IDEA 2100, Creativity, Ecology and Nature Experience, a *2013*
collaboration between the Arts and Sciences at KPU.

Taught five first- and second-year courses in the open lab system at KPU. *2002–2012*

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| Service and Professional Experience | Green Science Labs Initiative, Science Green Team Committee, KPU. | 2015–present |
| | Peer reviewer for multiple academic journals. | 2014–present |
| | Website Committee, Faculty of Science and Horticulture, KPU. | 2013–present |
| | Chair, Welcoming Committee, Common Ground Co-op, Surrey, BC. | 2012–present |
| | Extensive volunteer experience with KPU Open House, Young Naturalists' Club of BC, Aboriginal groups, KPU Biology Club and others. | 2006–present |
| | Revisions Committee for four lab courses, KPU. | 2005–present |
| | Interdisciplinary Master of Arts degree, planning committee, KPU. | 2014 |
| | Institute for Wetland Studies Committee, KPU. | 2014 |
| | IDEA Steering Committee, KPU. | 2013–2014 |
| | <i>Ferns of Finca Dos Lados: A Survey of Cloud Forest Pteridophytes</i> (research report), Costa Rica. | 2011 |
| | Volunteer, Rancho Mastatal Environmental Learning Center, Costa Rica. | 2011 |
| | Judge, Kwantlen Writers' Guild writing contest. | 2006 |
| | Vice-President, Rainforest Reptile Refuge Society, led educational tours, fostered community links, volunteer coordinator, newsletter editor. | 1999–2005 |
| | Received a VanCity Community Partnership grant to research and design three extensive educational resources for elementary school teachers. | 2003 |
| | Manager, Turtle Invasion! program through Surrey Parks and Recreation, giving on-site lectures in Crescent Park and facilitating data collection on red-eared sliders. | 2000–2003 |
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| Personal and Professional Development | Member & volunteer, Mayne Island Conservancy Society. | 2013–present |
| | Member, Nature Vancouver. | 2015–present |
| | Member, Canadian Society for the Study of Education. | 2015–present |
| | Member, Canadian Network for Environmental Education and Communication. | 2015–present |
| | Member, Association for Biology Laboratory Education. | 2015–present |
| | Member, Southern Gulf Islands Arts Council. | 2015–present |
| | Engaging Imagination in Ecological Education: Practical Strategies for Teaching (workshop with Gillian Judson and Michael Derby), Surrey. | 2015 |
| | A Day with David Whyte: The Harvest of Winter. | 2014 |
| | Ecology, Meditation and Integrated Living retreat with Tarchin Hearn, Vancouver. | 2014 |
| | Ecology, Spirituality, and Contemplative Inquiry in Education colloquium, SFU. | 2014 |
| | BCBIO Conference, Douglas College. | 2014 |
| | Basketbeat workshop, combining sport, music and social change, Vancouver. | 2014 |
| | Author & volunteer, Surrey International Writers' Conference. | 2006–2013 |
| | 1st Annual Research and Knowledge Mobilization Day, KPU. | 2013 |
| | David Abram workshop, "Between the Body and the Breathing Earth," Hollyhock, Cortez Island. | 2013 |
| | Interpretive ecopsychology hikes with Adrian Juric: "What Forests Teach About Living with Life Changes" and "The Clarity of Winter." | 2013 |
| | Peer-led meditation co-host, Simple Sits, Vancouver & Surrey. | 2009–2013 |
| | Association of Experiential Educators: Finding Your Edge, Squamish. | 2012 |
| | Feeling Our Way: New Pathways in Environmental Education, SFU. | 2012 |
| Learning Together: Collaboration As a Path to Transformation, SFU. | 2012 | |
| Peer Adjudication, SFU Faculty of Education Seminar Series. | 2012 | |

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| <i>Awards and Grants</i> | William & Ada Isabelle Steel Memorial Scholarship (\$17,000) | 2015/2016 |
| | Faculty of Education Graduate Scholarship, SFU (\$1000) | 2016 |
| | Rotary Club of Burnaby Scholarship (\$1000) | 2016 |
| | Graduate Fellowship, SFU (\$6500) | 2015 |
| | Graduate Student Conference Travel Funds (\$800) | 2015 |
| | EGSA Professional Development Grant, SFU (\$400) | 2015 |
| | GSS Professional Development Grant, SFU (\$500) | 2014 |
| | EGSA Professional Development Grant, SFU (\$400) | 2014 |
| | Staff Training and Development Fund, KPU (\$1500) | 2014 |
| | Professional Development for Specialized Positions, KPU (\$600) | 2014 |
| | Kwantlen Public Interest Research Group Grant (\$500) | 2014 |
| | EGSA Professional Development Grant, SFU (\$400) | 2013 |
| | Staff Training and Development Fund, KPU (\$1500) | 2013 |
| | Professional Development for Specialized Positions, KPU (\$600) | 2013 |
| | Second place, Earth Vision nature writing contest (\$100) | 2009 |
| | First place, poetry, Kwantlen Writers' Guild creative writing contest (\$100) | 2009 |
| | First place, fiction, Kwantlen Writers' Guild creative writing contest (\$100) | 2009 |
| | Second place, nonfiction, Kwantlen Writers' Guild creative writing contest (\$75) | 2009 |
| | Second place, Writers of the Future (\$1500) | 2006 |