

Eun-Ji Amy Kim

Eun-ji.kim@mail.mcgill.ca

1-514-261-8886

TEACHING AND RESEARCH INTERESTS

Critical-transdisciplinary STEAM. Placed-based inquiry-based learning. Indigenous science education
Collaborative inquiry. Co-generative inquiry. Teachers' identities. Research & Development
Reconciliation through re-thinking STEAM & diverse ways of coming to know nature.

EDUCATION

- 2018** **Doctorate of Philosophy (Ph.D. in Educational Studies)**
McGill University, Department of Integrated Studies in Education
- Dissertation: *The Relationships at Play in Integrating Indigenous Knowledges-Sciences (IK-S) in Science Curricula*
- Co-Supervisors: Dr. Steven Jordan & Dr. Anila Asghar
Ph.D Advisory Committee Member: Dr. Laara Fitznor (University of Manitoba)
Ph.D Dissertation Examiners: Dr. Dawn Wiseman (Bishop's) & Dr. Chris Stonebanks (Bishop's)
Ph.D Oral Defence Committee: Dr. Mindy Carter, Dr. Marta Kobiela, Dr. Jessica Ruglis
- 2012** **Master of Arts in Education**
University of Ottawa, Faculty of Education
- Thesis: *The integration of Traditional Ecological Knowledge in Science curriculum in Canada: Content Analysis of grades 7 and 8 official curriculum documents*
- Supervisor: Dr. Liliane Dionne
M.A Thesis Committee Members: Dr. Giuliano Reis & Dr. Richard Maclure
- 2010** **Bachelor of Education**
University of Ottawa, Faculty of Education
- Qualifications: Intermediate/Senior Biology and Chemistry
Teaching Certification: Ontario College of Teachers (OCT) # 605639
- 2009** **Bachelor of Science**
University of Manitoba, Faculty of Biological Science
- Major: Biology

RESEARCH EXPERIENCE (EXCLUDING MA AND PHD PROJECTS)

2018- Present **Principal Investigator**

Tsi Niionkwarihò:ten Science Education: Culturally Centered Science Curriculum focusing on the language acquisition.

Co-Investigator: Ms. Kahtehronni Iris Stacey (Kahnawake Education Center; McGill)

- Leading a 3-phase Research & Development project to develop culturally-centered K-11 science curriculum for Kahnawake community
- Identified the foundations of culturally-centered curriculum based on literature reviews and interviews from the Elders
- Interviewed Mohawk and non-Indigenous teachers' on their pre-conception on culturally-centered science education
- Create curriculum and resources in collaboration with community members and other professional organizations
- Secure external funding for the Tsi Niionkwarihò:ten STEAM program (\$30,000 CAD Educational Partnership Program Grant – First Nations Education Council)
- Completed Phase 1: Needs Analysis; currently in the Phase 2: Curriculum Development

2016- Present **Principal Investigator**

Various Indigenous science stories told in Australia and Canada: It is about the Land

- Reviewing various policies on related to Indigenous Education in Australia and Canada
- Conduct curriculum analysis on the official science curriculum documents (e.g., Australia: Canada: CMEC- some examples from BC, ON, SK)
- Interviewed some of the lead scholars in Indigenous Science Education in Australia and Canada, informing the status and process of Indigenous Science education
- In the analysis phase

2015- 2017 **Principal Investigator**

The impact of integrating aesthetic experiences into science teaching on pre-service teachers' views on Nature of Science (NOS)

Co-Investigators: Dr. David Blades (University of Victoria); Dr. Sharon Pelech (University of Lethbridge); & Dr. Dawn Wiseman (Bishop's University)

- Using Dr. Blades' earlier assignment template, 'aesthetics in science', conduct an arts-informed research with pre-service teachers
- Produced a mixed-methods research framework and performed thematic analysis
- In the process of discussing a book proposal with Dr. Blades

2013- 2016 **Research Consultant** (Chung-Ju University, South Korea)
Research & Development Project: The traditional Korean (KyungJu)-culture based interdisciplinary Science, Technology, Engineering, Arts and Mathematics (STEAM) education program

- Under Dr. Hyungbeom Kim's direction, identified the cultura-content knowledge that could be integrated in STEAM approach
- Compared Korean STEAM education approach with Quebec's Education Program
- Co-authored in a peer-reviewed conference presentation

2013- 2014 **Principal Investigator** (St. Charles Elementary School, Pierrefonds, Quebec)
Inquiry-based based, Interdisciplinary Science, Technology, Engineering, Arts and Mathematics (STEAM) projects in elementary school

Co-investigator: Mr. Mathieu Canavan (Principal, St. Charles Elementary School)

- Collaborated with elementary teachers in developing a year-long STEAM project
- Assisted in Professional Learning Community (PLC) meetings
- Offered feedback on teachers' understanding and application of 21st century skills and inquiry skills in the development of STEAM project
- Assisted in organizing the final STEAM symposium for the school
- Conducted a mixed-methods research, focusing on 1) teachers' identities in relation to working collaboratively as well as 2) challenges and benefits of inquiry-based STEAM based on teachers' experience

2016- 2017 **Research Assistant**
How are we coming to know: Ways in which Indigenous and non-Indigenous ways of knowing, being, and doing might circulate together in mathematics and science teaching and learning

- Under the direction of Dr. Dawn Wiseman (Bishop's University), Dr. Lisa Lunney Borden (St. Francis Xavier University) and Dr. Florence Glanfield (University of Alberta), perform a literature search and review in the field of Indigenous Science and Mathematics Education
- Assisted in the 'sharing circle' virtual meetings with other advisory committee members
- Contributed in the report writing. http://showmeyourmath.ca/wp-content/uploads/2017/09/WEB_KSGFinalReport_WisemanGlanfieldLunneyBorden.pdf

2013- 2016 **Project Coordinator**
Training Cycle 1 Quebec Science and Technology Teachers to Diagnose and Develop Students' Conceptual Understanding, Problem-solving, and Technology Skills

- Under the direction of Dr. Anila Asghar (McGill university), acted as the project coordinator for 3 years
- Led the team of graduate students performing literature review on the topic of conceptual understanding in science and compiled and reviewed existing diagnostic assessment tools (e.g., AAAS science assessment; BCI; MOSART)

- Analyzed literature via thematic analysis and developed a framework for the diagnosis of student's conceptual understanding, specifically focusing on Quebec Education Program (QEP)
- Organized yearly professional development workshop for participating teachers including providing hands-on activities samples, existing previous conceptual understanding diagnostic tools; guiding questions to develop Quebec's own diagnostic tools
- Organize meetings for research team (Academics from UQAM & McGill; education consultant from 4 different school boards; graduate research assistants)
- Developed a mixed-methods survey for teachers and conducted interviews with participating teachers

2013- 2014 Research Assistant

Establishing an Adult Education Centre for Naskapi (Cree) in Northern Quebec

- Under the direction of Dr. Steven Jordan (McGill university), researched existing adult learning centres for Indigenous peoples in Australia, Norway, Canada and New Zealand and their infrastructures and programs offered
- Produced and submitted a research report

2011- 2012 Research Assistant

Title: Environmental Education and Critical Thinking Skills in Elementary Science Education

- Under the direction of Dr. Liliane Dionne (University of Ottawa), analyzed Ontario (Canada)'s Elementary science curriculum documents
- Assisted in preparation of reports and other conference presentations

ACADEMIC PUBLICATIONS

Papers in Refereed Journals

Kim, E. A., Joyce, A., Zhang., Y., & Desjardins, A. (2018). Speaking to our minds, hearts, and hands: A cogenerative inquiry on learning through an interdisciplinary land-based course. *Journal of Belonging, Identity, Language and Diversity.* 2(2), 53- 76. [Co-written with students]

Higgins, M., & **Kim, E. A.** (2018). De/colonizing methodologies in science education: Rebraiding research theory-practice-ethics with Indigenous theories and theorists. *Cultural Studies in Science Education.* <https://doi.org/10.1007/s11422-018-9862-4>

Kim, E. A., Asghar, A., & Jordan, S. (2017). A critical review of Traditional Ecological Knowledge (TEK) in Science Education. *Canadian Journal of Science, Mathematics, Technology Education.* 17 (4), 258-270. Published Online: <http://www.tandfonline.com/doi/full/10.1080/14926156.2017.1380866>

Kim, E. A. (2016). It is all part of *process*: becoming pedagogical through artful inquiry. *LEARNING Landscapes.* 9(2), 317-337.

Eun-Ji Amy Kim

McLarnon, M., Wiebe, S., Richardson, P., Balsawer, V., Binder, M., Browning, K., Conrad, D., Fels, L., Gouzouasis, P., Human, A., **Kim, E. A.**, Leggo, C., Lemieux, A., Mantas, K., Meyer, K., Morelli, S., Nellis, R., Vaudrin-Charett, J. (2016). The school bus symposium: A poetic journey of co-created conference space. *Art Research International: A transdisciplinary Journal*. 1(1), 141-73.

Kim, E. A. (2015). Neo-colonialism in our schools: Representations of Indigenous perspectives in Ontario science curricula. *McGill Journal of Education*. 50(1), Published Online: <http://mje.mcgill.ca/article/view/9080/7036>

Kim, E. A., & Dionne, L. (2014). Traditional Ecological Knowledge in Science Education and Its Integration in the Grades 7 and 8 Canadian Science Curriculum Documents. *Canadian Journal of Science, Mathematics, Technology Education*. 14(4), 311-329.

Kim, E. A. (2012). Challenging the Status Quo: Indigenous Knowledge in Canadian Science Education. *KANATA*, 5, 165-184.

Kim, E. A. (2012). Studying the Integration Level of Traditional Ecological Knowledge in Science Education: A Case Study In British Columbia, Canada in Grade 7 and 8 Official Curriculum Documents. *International Journal for Cross-Disciplinary Subjects in Education*, 3(2), 750-754.

Book Chapters

Kim, E. A. (in-press). Positioning myself in Turtle Island: The storied journeying of a first-generation Korean immigrant-settler to Canada. In E. Lyle (Ed.), *Identity Landscapes: Contemplating Place and the Construction of Self*.

Kim, E. A. & Carter, M. (in-press). Becoming allies with?: A relational, transitive and creative narrative exploration. In J. Charlton & H. Michell (Eds.), *Decolonizing Mental Health: Embracing Indigenous Multi-Dimensional Balance*.

Adams, J., **Kim, E. A.**, & Das, A (in-press). Critical Race Theory, Critical Pedagogy and STEM. In S. Steinberg (Ed.), *Transgressions: Cultural studies and Education*. Sage Publishers

ACADEMIC PRESENTATIONS

Refereed Conference Presentations

Kim, E. A., [panelist] in Kim, E., Czuy, K., Adams, J & Meadows, M. (2019, June). Moving beyond the colonial frontier logic in STE(A)M education: A dialogue between Indigenous peoples & allies on Turtle island through critical-transdisciplinary heuristics. *Canadian Society for the Study of Education (CSSE)*, University of British Columbia. Discussant: Dwayne Donald (University of Alberta).

Kim, E. A. [Panelist] in Abdou, E. D., Kim, E. A., Nyeu, M., Scott, D., (2019, April). Exploring the Place of Indigenous Perspectives in Curriculum Across Various Global contexts and subject matters. *Comparative & International Education Society (CIES) 2019 Conference*, San Francisco (April, 2019). Discussant: Keita Takayama (University of New England).

- Kim, E. A.,** & Blades, D. (2018, June). Reconceptualising inquiry-based approaches to science education: The potential of First Peoples pedagogies. *Canadian Society for the Study of Education (CSSE)*, University of Regina, SK.
- Kim, E. A.,** & View, T. (2018, June). Bridging cultures in third space: Experiences of two Asian Canadians collaborating and working with local Aboriginal people in ways that honour their knowledge and practices. *Canadian Society for the Study of Education (CSSE)*, University of Regina, SK.
- Wiseman, D., Lunney Borden, L., Glanfield, F., Carter, E. Cavalcante, A., Clancey, r., Grosicki, K., **Kim, E. A.,** McLarnon, M., Sylliboy, S., Wiebe Buchanan, C. (2018, April). Indigenous ways of knowing, being, and doing in Canadian science and mathematics teaching and learning, *the American Education Research Association (AERA) 2018*, New York, NY.
- Wiseman, D. Lunney Borden, L., Glanfield, F., Carter, E. Cavalcante, A., Clancey, r., Grosicki, K., **Kim, E. A.,** McLarnon, M., Sylliboy, S., Wiebe Buchanan, C. (2018, March). Indigenous ways of knowing, being, and doing in Canadian science and mathematics teaching and learning. *National Association for Research in Science Teaching NARST 2018*, Atlanta, GA.
- Kim, E. A.,** (2017, May). Knowledges-Sciences as dancing amoeba: Critical-Trans-disciplinary approaches to Urban STEM education. *International Congress of Qualitative Inquiry*, University of Illinois at Urbana-Champaign.
- Adams, J. D., Bellino, M., Das, A., **Kim, E. A.,** Pieroni, P., Stoops, J., & Strong, L. (2016, November). Resistance, Labor, Race & Place: Expanding Frameworks for Critical Scholars. *American Educational Studies Association (AESAs)*, Seattle, Washington.
- Kim, E. A.** (2016, June). Apple inside Apple: A story of novice teacher-educator in a collaborative teaching team. *Canadian Society for the Study of Education (CSSE)*, University of Calgary, AB.
- Kim, E. A.** (2015, April). The travelling story of Traditional Ecological Knowledge: Its origin and current conceptualization. *National Association for Research in Science Teaching (NARST)*, Baltimore, MD.
- Kim, E. A.** (2015, June). Rethinking Traditional Ecological Knowledge: Using travelling theory to (re)conceptualize TEK in science education. *Canadian Society for the Study of Education (CSSE)*, University of Ottawa, Ottawa, ON.
- Kim, E. A.** (2015, May). Learning objectives and outcomes for Indigenous students? In the midst of Ralph Tyler and Gregory Cajete. *International Association for the Advancement of Curriculum Studies Conference (IAACS)*, University of Ottawa, Ottawa, ON.
- Kim E. A.** (2015, February). Indigenous knowledges in science curricula as discourse. *The Rosa Bruno-Jofré Symposium*. Queen's University. Kingston, ON.
- Kim, E. A.,** & Kim, H. (2014, November). Interdisciplinary approach of STEM education: Investigating the impact of current approaches to STEM education in Canada and Korea. *International Conference on Science Education*, Singapore.
- Kim, H., **Kim, E. A.,** & Potvin, P. (2014, July). Impact of Global Climate Change Monitoring Activities on South Korean 7 Grade Students' Perceptions of STEAM education, *STEM 2014 Conference*. Vancouver, BC.

Eun-Ji Amy Kim

Kim, E. A., & Dionne, L. (2014, April). Indigenous Knowledge in Science Education: Its Possibilities and Limitations in the Official Canadian Science Curriculum. *American Educational Research Association (AERA)*, Philadelphia, PA.

Kim, H., Potvin, P., & **Kim, E. A.** (2014, March). The conception of students about Carbon Cycle: The analysis of students' conception. *McGill Education Graduate Students' Society (EGSS) the 12th Annual Conference*, Montreal, QC.

Kim, E. A. (2013, March). The gap between praxis and theory: The current state of Indigenous science in mainstream science education. *McGill Education Graduate Students' Society (EGSS) the 11th Annual Conference*, McGill University, Montreal, QC.

Kim, E. A. (2012, May). Extra or Essential Knowledge to Our Science Education: Traditional Ecological Knowledge in Canadian Science Education. *Canadian Society for the Study of Education (CSSE)*, University of Waterloo, Waterloo, ON.

Kim, E. A. (2012, May). Wouldn't it be *Loverly?*: Exploring Language, Cultural Identities, Curriculum and Society as Represented in *My Fair Lady*. *Canadian Society for the Study of Education (CSSE)*, University of Waterloo, Waterloo, ON.

Kim, E. A. (2011, October). Status Quo Remains in Science Curriculum in Canada: Ethno-minority students' vulnerability to losing their cultural identities and sense of belonging. *Provoking Curriculum Conference*, University of Alberta, Edmonton, AB.

Kim E. A. (2011, May) Integrating Indigenous Knowledge in Science Curriculum. *Canadian Society for the Study of Education (CSSE)*, University of New Brunswick, Fredericton, NB.

Kim E. A. (2011, April) Cross- cultural learning in Intermediate and Secondary Science class: Integration of Traditional Ecological Knowledge in Canadian Science Curriculum, *Canada International Conference on Education (CICE)*, University of Toronto, Toronto, ON.

Kim E. A. (2011, March) The role of women in educational leadership in 1980s, Ontario: Social-psychological barriers led to women being under-represented in educational leadership. *Jean-Paul Dionne Symposium*, University of Ottawa, Ottawa, ON.

Kim E. A. (2011, February) Indigenous Knowledge in Science Education. *International Graduate Student Conference*, East-West center, University of Hawaii, Hawaii, USA.

INVITED ACADEMIC TALKS

CONFERENCE & WORKSHOPS

Kim, E. A., Zaelzer, C & Forget, B - Convergence (2018, November). *From divergent thinking to convergent solutions: Including creative thinking in your research*. [Invited Lecture]. Healthy Brains for Healthy Lives (HBHL), McGill University. Retrieved from: <https://mcgill.ca/hbhl/creativity-workshop>

Eun-Ji Amy Kim

Kim, E. A. (2018, February). STEAM Punks, Critical Educators, Environmental Creativity, Love & Care in Educational Research. [Invited Panelist]. *Creativity, Science & Social Science: Empowering Pedagogies for Youth & Educators*. Werklund School of Education, University of Calgary.

Kim, E. A. (2018, February). Indigenous knowledge(s) and Science Education. [Invited Lecture]. *Women in Physics (WiP) Committee series*. McGill University. Retrieved from: <https://wipmcgill.wixsite.com/wipmcgill/single-post/2018/02/12/Indigenous-Knowledges-and-Science-Education>

Kim, E. A. (2015, April). Imagining Canada's Research Future. [Panelist]. *Canadian Association of Graduate Studies (CAGS), Social Sciences and Humanities Research Council (SSHRC)*, McGill University

Kim, E. A. (2012, July). Science-The real deal. [Invited Lecture]. *First Nations and Inuit Youth Leadership Symposium*, Initiative for Diversity and Global Education, McGill University

Kim E. A. (2011, April) Status Quo Remains in Science Curriculum in Canada: Looking at Aboriginal Representation in Canadian Science Curriculum. [Panelist] *2011 Graduate Symposium: Exploring Collaboration*, Ontario Institute School of Education (OISE), University of Toronto, Toronto, ON.

GRADUATE COURSES

Kim, E. A. (2018, October). Indigenous perspectives in science and math education? [Invited Lecture]. *EDTL 520: Perspectives on Knowledge in Math and Science*. Department of Integrated Studies in Education, McGill University.

Kim, E. A. (2018, May). Learning and working with Indigenous communities? [Invited Lecture]. *EDPC 670: Current trends in counselling psychology: Professional engagement with Indigenous peoples*, Department of Educational Counselling Psychology, McGill University.

Kim, E. A. (2018, January). Research with Indigenous peoples: Refusal as Research Method. [Invited Lecture]. *EDEM 692: Qualitative Research Methods*, Department of Integrated Studies in Education. McGill University.

Kim, E. A. (2015, October). Foucault's notion of Critique in relation to Indigenous Research Framework. [Invited Lecture]. *EDEC 709: PhD seminar in Math and Science Education*, Department of Integrated Studies in Education. McGill University.

UNDERGRADUATE COURSES

Kim, E. A. (2018, September). Indigenous Science in School Science. [Invited Lecture]. *EDEE 230: Elementary Teaching Science II*. Department of Integrated Studies in Education. McGill University.

Kim, E. A. (2013, September). Making a Meaningful Science Classroom. [Invited Lecture]. *EDEC 249: Global Education and Social Justice*. Department of Integrated Studies in Education. McGill University.

GRADUATE PROFESSIONAL DEVELOPMENT WORKSHOP

- Kim, E. A.** (2018, November). Writing Thesis on Time and Supervision. [Invited Panelist]. *Teaching and Learning Services*. McGill University.
- Kim, E. A.** (2017, November). Managing Your Supervisor. [Invited Panelist]. *SKILLSETS*. McGill University.
- Kim, E. A.** (2015, September; 2016, June; 2017, July). Graduate Student Panel: Tips on how to write successful grant proposals. [Panelist]. *Science, Mathematics Education Research Group (SMERG)*, McGill University.
- Kim, E. A.** (2016, January). Tensions and Challenges in Artful inquiry: A story from novice arts-based a/r/tographer. [Invited Panelist]. *Artful Inquiry Salon*, Department of Integrated Studies in Education, McGill University.
- Kim, E. A.** (2015, March). Tips on conceptualizing your literature review. [Guest Speaker]. *MA Thesis Writing Workshop*. Department of Integrated Studies in Education, McGill University.
- Kim, E. A.** (2015, January). Giving effective conference presentation. [Guest Speaker]. *ABC of PhD*. Faculty of Education. McGill University.
- Kim, E. A.** (2012, January). Time management. Workshop for Graduate Students. *Student Academic Success Services (SASS) Workshop Series*, University of Ottawa

PUBLIC COMMUNICATIONS

- Kim, E. A.** (2018). Let's make OUR science the real deal. [Invited Speaker] *March for Science 2018- Montreal*. Retrieved from: <http://evidencefordemocracy.ca/fr/content/march-science-2018>
- Kim, E. A.** (2018). Appreciating Diverse ways to coming to know: Educational Perspective. *STEMM Diversity McGill, Redpath Museum*. [Interview]. Retrieved from: <http://stemmdiversityatmcgill.com/>
- Kim, E. A.** (2017). "Where are you [really] from?": A question to White British/French descendants-Canadians-settlers. *Belonging, Identity, Language and Diversity*. [Blog] Retrieved from: <https://bildlida.wordpress.com/2017/03/19/>
- Kim, E. A.** (2017). CSSE Conference report. *Science and Mathematics Education Research Group*. [Blog] Retrieved from: <http://mcgill.ca/smerg/article/csse-conference-report>
- Kim, E. A.** (2016). Science Education Project- Chantier 7. [Interview] Retrieved from: <https://www.mcgill.ca/sciedchantier7/reflections-our-learning/interview-eun-ji-amy-kim>
- Kim, E. A.** (2016). "Who am I?": My Finding Amy Project. *Belonging, Identity, Language and Diversity*. [Blog] Retrieved from: <https://bildlida.wordpress.com/2015/11/01/who-am-i-my-finding-amy-project-by-eun-ji-amy-kim/>

Kim, E. A. (2015). What do our schools teaching about “our home and native land?”. In H. Garnett, C. Cockery, D. Syncox. (Eds.), *Imagining Canada’s Future: Research goals for an interconnected, evolving global land scape.* (p. 14-15). Montreal, QC: McGill University. Retrieved from: <https://www.mcgill.ca/gps/files/gps/imagining-canadas-future-mcgill-electronic.compressed-16-17.pdf>

WORKS IN PROGRESS

REFERRED JOURNAL ARTICLES

Kim, E. A., & View, T. (advanced stage of preparation). Being in the third space: Research de/sign that starts from the researcher preparation.

Kim, E. A., Jordan, S., & Asghar, A. (advanced stage of preparation). Moving beyond the neo-colonization: re-thinking living with Indigenous-Western science curricula.

MONOGRAPH

Kim, E. A. (in-review). Relationships at play: Self, communities, Indigenous knowledges and Western Modern Science in curriculum space. In *Curriculum Studies Worldwide Series.* Palgrave Macmillan Publishers. Series Editor: William Pinar (University of British Columbia)

BOOK CHAPTERS

Kim, E. A., Zaelzer, C., & Forget, B. (in-review; invited chapter). Rift to Shift: Critical-Transdisciplinary Convergence of STEAM. *Critical Transdisciplinary Approaches to Urban STEM Education.* Sense Publishers

Adams, J, **Kim, E. A.,** Meadows, M. L., Czuy, K., Stoops, J., & Takeuchi, M. (in-review; invited chapter). Creativity and Criticality in STEM education. *Critical Transdisciplinary Approaches to Urban STEM Education.* Sense Publishers

UNIVERSITY TEACHING EXPERIENCE

2018

Lecturer

Faculty of Law, Department of Integrated Studies in Education, Department of Anthropology, Faculty of Medicine, Faculty of Social Work, McGill University

IDFC 500: Indigenous Field Studies

- Collaborated with professors from different disciplines (e.g., Law, Medicine, Education and Social Work) to deliver a land-based course focusing on a holistic approach of learning Indigenous cultures at McGill and Kahnawake

2017-2018

Lecturer

Department of Integrated Studies in Education, McGill University

EDEC 201: 1st Year Professional Seminar

- Delivered curriculum focusing on the development of pre-service teachers' teaching philosophy based on their stage (practicum) experience
- Fostered an understanding of the structure and foundations of QEP, resources available for teachers in Quebec, attention to school culture, teacher as professional (language, culture, school)
- Delivered curriculum focusing on recognizing and responding to practical classroom needs through meaningful translation of educational theories into practice in their practicum

2014-2016

Lecturer

Department of Integrated Studies in Education, McGill University

EDES 335: Teaching Secondary Science

- Developed an course focusing on deepen students' understanding of diverse ways of coming to know nature in science teaching (e.g., multiculturalism in science; post-colonialism in science; inquiry-based and constructivist teaching paradigms)
- Collaborated with diverse stakeholders to design and deliver lessons which exposes students to diverse perspectives and practices of teaching secondary science (e.g., outdoor learning with Redpath museum; in-service teachers' talk; Indigenous community member)
- Taught a multi-class lesson inquiry into how school science and why it should respond to the Truth and Reconciliation Commission (TRC) of Canada's call to action
- Gave formative feedback on their lesson plans, teaching practice rehearsals and enactment.

2013- 2015

Pedagogical Lab Instructor/Teaching Assistant

Department of Integrated Studies in Education, McGill University

EDEE 270: Elementary Science Teaching I

- Facilitated two-hours long inquiry-based, hands-on, discussion-based labs for elementary science teaching methods class
- Provided ongoing formative feedback on discussion-based teaching practices during pre-service teachers' rehearsals of teaching
- Assessed pre-service teachers' work on lesson plans and reflection

SCHOOL-BASED TEACHING EXPERIENCE

2014- 2015 Secondary Science Tutor (Volunteer)

Ronteweiénstha Tehontatia'takéhn: Homework Zone Afterschool Program

Social Equity Diversity Education (SEDE), McGill University & Kahnawake Survival School

- Provided one-on-one and small group lessons for the Mohawk secondary students enrolled in science and math courses

2012- 2014 Classroom Teacher

College Prep International, Montreal Quebec

- Was responsible for the following courses: Secondary 1 (Grade 7) Math; Secondary 4 (Grade 10) Math: Cultural, Social & Technological (CST); Secondary 1 (Grade 7) Science; Secondary 4 (Grade 10) Science and Technology (ST)
- Organized the annual science fair for the school

2011- 2012 Science Workshop Facilitator

First Nations and Inuit Youth Leadership Symposium

Initiative for Diversity and Global Education, McGill University

- Designed and delivered two days of interactive science workshops for First Nations and Inuit Youth Leaders in collaboration with a Montreal science and technology museum.

2011- 2012 Adult Learning Specialist

Grade Learning Center, Ottawa Ontario

- Provided one-on-one lessons to adult learners for their high school science and math credit-courses
- Offered a work plan for adult learners to obtain high school diploma based on Ontario Ministry of Education requirements

2009- 2010 Student Tutor and Mentor (Volunteer)

Student Success Program, Lisgar Collegiate Institute, Ottawa Ontario

- Provided one-on-one assistance to students (at risk and with learning disabilities) enrolled in secondary science and math courses

2007- 2009 Science Workshop Facilitator

Women in Science and Engineering (WISE), University of Manitoba

- Delivered science workshops on various interactive science workshops to local elementary schools
- Delivered science workshops in First Nations Kid-Netic Energy summer camps

CURRICULUM DEVELOPMENT & CONSULTING EXPERIENCE

2018- Present Science Education Consultant

Kahnawake Education Center (Mohawk Community)

- Develop culturally-driven K-11 science curriculum for Kanien'kehá:ka
- Plan and provide professional development for learning opportunity for teachers and support staff
- Facilitate the development, administration, evaluation and analysis of culturally-driven science assessment tools and provide an analysis of student performance data
- Promote the integration of science into other subject areas (e.g., STEAM and studies in sustainable environments)
- Collaborate with community members, other professional organizations to create a STEAM focused- project and obtain findings from the governments (e.g., coding workshops for teachers and students; creating physics resources reflecting Tsi Niionkwarihó:ten Framework)

2018- Present Director of Research in Education

Convergence Initiative

- Mentor the instructors of collaborative inquiry course for neuroscientists and artists
- Design and conduct trans-disciplinary research, engaging with the public
- Develop workshop series for neuroscientists to engage in creative thinking
- Conduct research on the implications and effects of the collaboration between neuroscientists and artists, and ways of disseminating knowledge directly to public

2015- 2016 Pedagogical Consultant

Kativik Ilisarniliriniq (Kativik School Board) & Office of First Nations and Inuit Education (OFNIE)

- EDEE 270: Elementary Science Teaching I
- Collaborated with Inuit teachers and a senior instructor in developing culturally relevant course

2013- 2016 Teaching Professional Development (PD) Workshop Developer

Ministère de l'Enseignement supérieur, de la Recherche, de la Science et Technologie–
Chantier 7 Programme Grant

- Developed annual PD workshops for in-service science teachers in Quebec, with various stakeholders including:
 - Science education consultants from school boards in Quebec: English Montreal School Board (EMSB), Lester B. Pearson Board (LBPSB), Commission Scolaire des Chênes (CSDS) and University Research Team members (UQAM; McGill)

2015- 2016 Cross-Cultural Pedagogical Consultant

Brain Reach North, Integrated Program in Neuroscience (IPN), McGill University

- Collaborated with graduate students in IPN in creating culturally relevant e-learning resources for Northern Quebec communities
- Provided feedback on developing culturally relevant e-teaching resources
- Served as a liaison between the graduate students in Neuroscience and undergraduate students in Education

PROFESSIONAL SERVICE

CONFERENCE ORGANIZATION AND COMMITTEE WORK

2016- 2018 Advisory Committee Member

McGill ArtHive Initiative (MAHI) and P. Lantz Excellence for Education Advisory Panel

- Review and advise on submissions for gallery space and educational workshops
- Involved in reviewing applications for artist-in-residence position

2016- 2017 Secretary

Science Education Research Group (SERG), Canadian Society of the Study of Education (CSSE)

- Attended monthly executive meetings
- Wrote minutes for executive meetings and annual general assembly
- Was a part of decision-making groups in the conference planning
- Produced newsletter bi-annually

2015- 2016 Graduate Student Representative

Science Education Research Group (SERG), Canadian Society of the Study of Education (CSSE)

- Represented the graduate students in SERG in other national and international organizations
- Liaised between faculty members in SERG and graduate students

2014- 2015 Graduate Student Representative

Faculty Hiring Committee, Department of Integrated Studies in Education (DISE)

- Communicated with graduate students and represented graduate students' views in the hiring committee meetings
- Assisted in organizing *meet with graduate students* sessions
- Led *meet with graduate* students sessions.

2013- 2014 Conference Chair

Education Graduate Students' Society (EGSS), Faculty of Education, McGill University

- Implemented new committee structures and oversaw all the organizing and coordinating tasks related to the conference (e.g., finance, internal and external relations and communications)
- Served as liaison between Faculty of Education and EGSS
- Implemented the first child-care services during the conference

2011- 2012 Planning Committee Member

American Education Research Association (AERA) Conference, Vancouver 2012

- Collaborated other committee members in selecting and inviting keynote speakers for Fireside chat for graduate students
- Reviewed proposals for Canadian graduate students for the special Canadian Committee of Graduate Students in Education (CCGSE) sessio

2010- 2012 Secretary/ Treasurer

Canadian Committee of Graduate Students in Education (CCGSE), Canadian Society of the Study of Education (CSSE)

- Attended monthly executive meetings
- Wrote minutes for executive meetings and annual general assembly
- Was a part of decision-making groups in the conference planning
- Produced newsletter bi-annually

REVIEWER EXPERIENCE

2014- Present Reviewer

McGill Journal of Education
Canadian Journal of New Scholars in Education
Journal of Contemporary Ethnography
Canadian Journal of Education

2011- 2013 Conference Proposal Reviewer

Canadian Committee of Graduate Students in Education (CCGSE)
Canadian Association for the Study of Indigenous Education (CASIE)

ADMINISTRATIVE EXPERIENCE

2018 Co-Founder

VoxCaNN

- Founded a non-profit, bi-lingual (English and French), critical-transdisciplinary education organization on the topic of Cannabis for Youth (age 15-25) following the legalization of Cannabis in Canada.
- Oversee a team of volunteers – funding, promotion, education content development and external relation.
- Develop scientific research and communication workshops for educational professionals and Youth in collaboration with *Broad Science*
- Collaborate with diverse stakeholders across disciplines (e.g., Law, Public Policy, Neuroscience and Education)

2017 Academic Project Administrator

Graduate and Postdoctoral Studies (GPS), McGill University

- Led workshops for faculty members (e.g., Mandatory supervision workshops, tips and tricks for program directors)
- Led Outreach and Events including Grad Open House, Graduate Orientation, Award Celebration and other academic talk events
- Nominated and compiled awards dossiers for faculty members
- Conducted surveys and wrote reports in collaboration with other units (e.g., Graduate PhD Outcome Survey)
- Liaised with different stakeholders in/out university

- 2010- 2017 Graduate Students Workshop Facilitator**
Department of Integrated Studies in Education (DISE), McGill University
ABC's of the PhD, Faculty of Education, McGill University
Student Academic Success Services (SASS), University of Ottawa
- 2011- 2012 Graduate Student Mentor**
Student Academic Success Service (SASS), University of Ottawa
- Provided one-on-one counselling sessions for graduate students
 - Developed and delivered workshops for graduate students on the topics including time management and imposter syndrome

AWARDS

ACADEMIC MAJOR AWARDS

- 2017- 2018 Graduate Outstanding Teaching Award (\$1500)**
Department of Integrated Studies in Education, McGill University
- 2016- 2017 Stansfield Award for School-Based Research (\$1000)**
Faculty of Education, McGill University
- 2014- 2017 Joseph-Armand Bombardier Canadian Graduate Scholarship (CGS)
-Doctoral Level (\$105,000)**
The Social Science and Humanities Research Council (SSHRC), Government of Canada
- 2014- 2016 Bourses de Doctorat en Recherche (\$60,000)**
Fond du recherche société et culture (FQRSC),
Government of Quebec
**Awarded but refused the monetary prize because SSHRC scholarship was received*
- 2015- 2016 Heather Munroe-Blum Fellowship in Public Policy (\$10,000)**
Faculty of Education, McGill University
- 2014- 2015 Jackie Kirk Fieldwork Support Award (\$5,000)**
Faculty of Education, McGill University
- 2014- 2015 Walter A. and K. Mary Marsh Fellowship in Teaching and Learning (\$6,800)**
Faculty of Education, McGill University
- 2012 -2013 Best Proposal Award, Doctoral Level (\$250)**
The EGSS 12th Conference, Faculty of Education, McGill University

ACADEMIC MINEOR AWARDS

- 2017- 2018** **Travel Grant (\$500)**
University of Regina
- 2014- 2015** **Academic Excellence Award (\$2,000; \$2,500)**
Department of Integrated Studies in Education, McGill University
- 2013- 2014** **Travel Grant (\$500 SGD)**
Science education conference
- 2012- 2013** **Graduate and Research Mobility (GRMA) Award (\$550)**
Department of Integrated Studies in Education, McGill University
- 2012- 2013** **PhD Fellowship (\$5,000)**
Department of Integrated Studies in Education, McGill University
- 2011- 2012** **Dean's Scholarship (\$1,500)**
Graduate and Postdoctoral Studies, University of Ottawa
- 2010- 2011** **Travel Grant (\$500 US)**
The East-West Center, University of Hawaii
- 2010- 2011** **Travel Grant (\$500; \$425)**
Faculty of Education, University of Ottawa
- 2010- 2011** **Academic Project Funding (\$400)**
Graduate Students' Association, University of Ottawa

PROFESSIONAL DEVELOPMENT- INSTRUCTOR TRAINING

Learning to Teach Day workshops (McGill)

Course Design Workshop (McGill)

Designing Successful Peer Assessment Assignment Workshop (McGill)

Collaborative Inquiry Group: Doctoral Students understanding their practices as teachers (DISE, McGill)

PROFESSIONAL SOCIETIES

American Educational Research Association (AERA)

Canadian Society for the Studies of Education (CSSE)

- Canadian Associations of Curriculum Studies (CACS)
 - Arts Researchers and Teachers Society (ARTS)
 - Science Education Research Group (SERG)
 - Canadian Association of Indigenous Studies in Education (CASIE)

Comparative & International Education Society (CIES)

International Association for Advancement of Curriculum Studies (IAACS)

National Association for Research in Science Teaching (NARST)

- Indigenous Knowledge Research Interest Group

Ontario College of Teachers (OCT)

The Aboriginal Environmental Education Circle (AEE circle)

LANGUAGE SPOKEN

English (Fluent)

Korean (Fluent)

French (Intermediate)