

## EDUCATION

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### **Doctor of Philosophy in Educational Studies Student**

St. Francis Xavier University

**July 2023—Present**

Antigonish, Nova Scotia

- *Dissertation Working Title:* “Exploring the Ideology of Success for Black and African Nova Scotian Students in High School Science.”
- *Pro Tem Advisor:* Dr. David Young
- *Committee:* Dr. Wendy Mackey and Dr. William Ankomah
- I have fully completed GEDU 9001, 9002, 9003, 9004 and 9005.
- Presently nearing completion of the doctoral comprehensive portfolio.

### **Non-Degree Masters of Education Student**

St. Francis Xavier University

**July 2018—June 2023**

Antigonish, Nova Scotia

- *Masters of Education Title:* “A Teacher’s Autoethnography of Grit and Student Success in a High School Physics Classroom.”
- *Advisor:* Dr. David Young
- *Committee:* Dr. Joanne Tompkins, Dr. Lori McKee and Dr. Thomas Ryan
- The thesis was successfully defended on June 1, 2023.

### **Masters of Education: Educational Leadership & Policy**

St. Francis Xavier University

**July 2014—May 2017**

Antigonish, Nova Scotia

### **Masters of Education: Curriculum & Instruction**

St. Francis Xavier University

**July 2011—May 2014**

Antigonish, Nova Scotia

### **Bachelor of Education: Secondary Education Program**

St. Francis Xavier University

**Sept. 2007—Apr. 2009**

Antigonish, Nova Scotia

I was nominated and chosen by the School of Education for the Elizabeth MacKasey Memorial Award. This award was for excellence in teaching, leadership, and professionalism.

### **Bachelor of Science: Double Major in Physics & Mathematics**

Dalhousie University

**Sept. 2002—Apr. 2007**

Halifax, Nova Scotia

# Matthew M. T. Ngo

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## TEACHING EXPERIENCE

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### Secondary School Science and Mathematics Teacher

Halifax Regional Centre for Education

**May 2009—Present**

Halifax, Nova Scotia

- Primarily taught physics and mathematics for upper-secondary school—specifically grades 11 and 12.
- Presently teaching in the International Baccalaureate (IB) program for physics.
- My goal is to ensure all students have the most equitable access and opportunities for success in physics.
- I currently represent Citadel High School's Science Department for the PASCO sensor technology.
- To date, I have mentored seventy-two students on their IB internal assessment research for physics.
- To date, I have mentored two students on their IB extended essay.
- To date, I have mentored six Bachelor of Education student-teachers and several early-career teachers.
- Undertook a self-initiated leadership role by utilizing collaborative (team) teaching.
- Provided in-school workshops for teachers and staff at Citadel High School.
- Collaborated with an educational leader within the Educational Leadership Consortium of Nova Scotia.
- Was involved as a member of Duncan MacMillan High School's program planning team.
- Received an Article 60 grant to attend the 2024 Canadian Society for the Study of Education Conference.

## RELATED EXPERIENCE

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### Data Research Analyst

St. Francis Xavier University

**Aug. 2023—Nov. 2023**

Antigonish, Nova Scotia

- I worked under the mentorship of Dr. Lace Marie Brogden, Dean of Education.
- I utilized grounded theory to sort, interpret, categorize and analyze compiled data for StFX's Faculty of Education Strategic 2023-2028 plan.
- Using this process, I developed themes and meanings that emerged from the data obtained.

### Making Waves: Stories of 2<sup>nd</sup> Generation Immigrants Participant

Immigrant Services Association of Nova Scotia (ISANS)

**Jan. 2019**

Halifax, Nova Scotia

- I was one of twenty-five people involved with ISANS on documenting stories of 2<sup>nd</sup> generation immigrants.
- The book contained narrative stories of many prominent Nova Scotians.
- My involvement with this project was purely voluntary and out of self-interest to support immigration.

### Vice-President of Internal Affairs (Elected Position)

Vietnamese Association of Nova Scotia

**July 2012—Dec. 2013**

Halifax, Nova Scotia

- Helped both immigrant and international students transitioning to Canadian society.
- Managed and ensured consistent monthly board meetings and produced reports for the constituency.
- Attended several conferences with other Vietnamese associations in Montreal, Vancouver, and Calgary.
- Maintained communication with other Vietnamese associations to familiarize with regional issues.

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### Curriculum Writer

St. Francis Xavier University

Nov. 2008—May 2009

Antigonish, Nova Scotia

- I was recruited by Dr. Andrew Foran to work with him on curriculum writing projects.
- I co-published several active transportation guides for the Ecology Action Centre's Making Tracks program.
- I co-published a weather supplementary chapter for "Quality Lesson Plans for Outdoor Education."

### Special Needs Day Camp Counselor

YMCA of Greater Halifax and Dartmouth

June 2008—Aug. 2008

Halifax, Nova Scotia

- I taught children with exceptionalities including autism, cerebral palsy, and Down's syndrome.
- I facilitated appropriate planning activities which enriched the lives of the children's social experience.
- I also familiarized myself with the learning needs of each child to develop appropriate planning.

## CONFERENCE PRESENTATIONS

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### Roundtable Presenter

Canadian Society for the Study of Education (CSSE)

June 2024

Montreal, Quebec

- *Presentation Title:* "A Teacher's Autoethnography of Grit and Student Success in a High School Physics Classroom."
- I will be networking with other educational scholars in order to cultivate inter-disciplinary relationships.
- I will be attending a multitude of workshops in order to gain professional development around the education of diverse learners (e.g., Black, Indigenous and People of Colour) in science classrooms. That way, I can use such learning to alter my pedagogical practices to cultivate the best conditions for all learners in my present and future classrooms.

### Guest Speaker at Association of Science Teachers Conference

Nova Scotia Teachers Union

Oct. 2023

Halifax, Nova Scotia

- *Presentation Title:* "Engaging 21<sup>st</sup> Century Learners using Plickers, Podcasts, and PASCO Sensors."
- I provided tools to support the engagement of diverse learners in all grade levels.

### Educational Research Forum

St. Francis Xavier University

July 2023

Antigonish, Nova Scotia

- *Presentation Title:* "A Teacher's Autoethnography of Grit and Student Success in a High School Physics Classroom."
- Provided attendees with information regarding the findings and implications of the research.
- Answered research questions for beginning educational researchers.

## Matthew M. T. Ngo

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### Guest Speaker at Association of Science Teachers Conference

Oct. 2022

Nova Scotia Teachers Union

Halifax, Nova Scotia

- *Presentation Title:* “Developing a cohesive online and in-school education experience.”
- I provided a holistic approach to education by providing teachers with tools to foster inclusive education.

### Guest Speaker at Association of Science Teachers Conference

Oct. 2021

Nova Scotia Teachers Union

Halifax, Nova Scotia

- *Presentation Title:* “Developing a cohesive online education experience.”
- I demonstrated technology to help enhance classroom learning experiences in-light of pandemic education.

### Educational Research Forum

July 2021

St. Francis Xavier University

Antigonish, Nova Scotia

- *Presentation Title:* “A Teacher’s Autoethnography of Grit and Student Success in a High School Physics Classroom.”
- Provided attendees with information from the existing body of research and early research findings.
- Received useful insight and feedback which was helpful in aiding in the completion of the thesis.

## PUBLICATIONS

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### In Education Journal

Sept. 2023

University of Regina

Regina, Saskatchewan

- Submitted manuscript for “A Teacher’s Autoethnography of Grit and Student Success in a High School Physics Classroom.”
- As of Nov. 2023, due to a backlog and circumstances at *In Education*, the manuscript is awaiting double-blind review.

## PROFESSIONAL ASSOCIATIONS

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### Canadian Society for the Study of Education (CSSE)

Aug. 2023—Present

Ottawa, Ontario

- Submitted conference proposal application to speak at CSSE for June of 2024.
- As of April 2024, I will not only attend CSSE for professional development opportunities but also be participating in a roundtable discussion on my proposal submission.

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**AWARDS AND RECOGNITIONS**

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**St. Francis Xavier University**

PhD in Educational Studies

**July 2023—Present**

Antigonish, Nova Scotia

- I received a Faculty of Education Study Award (\$7,500) for Year 1 of my PhD studies.
- I also received a Faculty of Education Travel Award (\$1,500) to attend the 2024 Canadian Society for the Study of Education (CSSE).

**Nova Scotia Teachers Union (NSTU)**

**March 2024**

Halifax, Nova Scotia

- I received an education research award (\$500) for my dissertation, “Exploring the Ideology of Success for Black and African Nova Scotian Learners in High School Sciences.”
- I also received a conference pre-approval grant (\$500) from the Halifax City Local to attend the 2024 Canadian Society for the Study of Education (CSSE).
- As part of knowledge mobilization efforts with the NSTU, I received a separate certificate of recognition for advancing public education through research by contributing my thesis, “A Teacher’s Autoethnography of Grit and Student Success in a High School Physics Classroom.”

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**REFERENCES**

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**Dr. Lace Marie Brogden**

St. Francis Xavier University

**Dean of Education**

Antigonish, Nova Scotia

Work: (902) 867-3643 ♦ Email: lbrogden@stfx.ca

**Mr. Stephen Gosse**

Halifax Regional Centre for Education

**Science Department Head of Citadel High School**

Halifax, Nova Scotia

Work: (902) 491-4444 ext. 1213 ♦ Email: sgosse@hrce.ca

**Dr. Wendy Mackey**

St. Francis Xavier University

**Assistant Professor**

Antigonish, Nova Scotia

Work: (902) 867-5406 ♦ Email: wmackey@stfx.ca

**Dr. David Young**

St. Francis Xavier University

**Professor, Teacher Education, Curriculum and Leadership**

Antigonish, Nova Scotia

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