Erich Forler

Educator — Tech Nerd — Mathematics Fan

Teaching Experience

Math (MTH1W), Technology and Skills (Gr. 9 TAS1O)

OCDSB - Sir Wilfrid Laurier Secondary School (Contract: February 2026 - June 2026)

Built foundational understanding of computing technology, artificial intelligence (AI), coding, computer aided design, and computer animation during second semester.

Math (MTH1W), Computers/Robotics (Gr. 10 TEJ2O)

OCDSB - Sir Wilfrid Laurier Secondary School (Contract: February 2025 - June 2025)

Adapted material from TEJ1O to minimize overlap. Built foundational understanding of computing technology, artificial intelligence (AI), flowcharting, and coding to support students' hands-on exploration of electronics, arduino programming, and robotics labs during second semester.

Computers/Robotics (Gr. 9 TEJ1O)

OCDSB - Sir Wilfrid Laurier Secondary School (LTO: February 2024 - June 2024)

Built foundational understanding of computing technology, flowcharting, and coding to support students' hands-on exploration of electronics, arduino programming, and robotics labs during second semester.

Math/English (Gr. 8 ETFI)

OCDSB - Alta Vista Public School (LTO: September 2022 - April 2023)

Introduced students to 3D design in SketchUp as a tool for art, math, and connecting to science. Developed video lessons to support learning on math, SketchUp, coding, and flowcharting. Completed progress reports and first term report cards.

Math/English (Gr. 5/6 split ETFI)

OCDSB - Sir Winston Churchill (LTO: January 2022 - June 2022)

Introduced students to a hands-on unit on robotics and coding (Lego Education Spike, MakeBlock Ultimate / Lego Block Language, Python). Administered EQAO. Completed end-of-year report cards.

Occasional Teacher

OCDSB - Vincent Massey Public School (September 2021 - January 2022)

Accepted opportunities for teaching grades 4-8 in Regular, ETFI, and gifted classes.

Math/Computer Science Teacher (Gr. 11)

Western Quebec School Board (Contract: August 2020 - June 2021)

Taught 4 sections of grade 11, CST mathematics, and computer science. Delivered lessons in-person and on-line. Implemented a flipped classroom model and produced more than 13 hours of edited video lessons based on a student workbook for delivery in a hybrid teaching environment. Successfully completed year 1 of WQSB teacher induction program.

On-line Course Development / Course Instruction (Gr. 10)

Faculty of Engineering Secondary School (May 2020 - July 2020)

Created new content, lessons, assessment tools and instructional videos and combined them with existing materials to create an on-line course in a learning management system (BrightSpace) for computer science (ICS20).

Teaching Experience (cont'd)

Math Resource Development and Tutoring
University of Ottawa - Teacher Candidates (February 2020 - March 2020)
Worked on a team developing and deploying resources in a learning management system (BrightSpace) to assist teacher candidates in preparing for the Math Proficiency Test. Tutored teacher candidates in areas of math where they needed help.

Volunteer Music Instructor
Carleton Heights Public School - Grade 4 (February 2020 - March 2020)
Taught music (Ukulele, theory and music appreciation) to Grade 4.

2nd-year Practicum
Carleton Heights Public School - Grade 4 (September 2019 - January 2020)
Planned and taught units in math, science, social studies, music, and dance and supported associate teacher in a grade 4 class. Developed lessons that included cross-curricular connections between math, music and science.

Emergency Supply Teacher
Vincent Massey Public School (October - November 2019, May - June 2019)
Accepted opportunities for teaching in grades 3-8 with priority on higher grades.

1st-year Practicum
Henry Munro Middle School - Grade 7 (December 2018, March - April 2019)
Planned and taught units in math, science, and language arts, and supported associate teacher in a grade 7 class. Introduced students to programming in Scratch. Supported Chess Club.

Emergency Education Assistant (EA)
Vincent Massey Public School (May - June 2018)
Accepted opportunities to be an emergency EA in grades K-8.

Volunteer Math Class Assistant
Vincent Massey Public School (April - June 2018)
Volunteered 2-3 times per week in grade 7/8 and grade 5 math classes supporting small groups of students.

Education

Bachelor of Education (Magna Cum Laude)
University of Ottawa (2018-2020)
» Junior/Intermediate. Math teachable.

Honours Bachelor of Commerce
University of Ottawa (1986-89)
» Courses in marketing, promotion, management, management information systems, statistics and forecasting.

Faculty of Science and Engineering
University of Ottawa (1984-86)
» Completed courses in electrical engineering, math, physics and computer science.

Additional Qualifications

Computer Technology (Gr. 9/10)
York University (December 2024)

Technical Skills

- **Video Production:** Adobe Premiere Pro, We Video, Screencast-o-matic, Screencastify
- **Programming**: PHP, Python, MySQL, HTML/CSS, Arduino script, Scratch, App Inventor, others
- **Content/Learning management systems**: Google Classroom, BrightSpace, MS Teams, Moodle, Joomla, Magento, WooCommerce, ZenCart, Shopify
- **Software applications**: Too many to mention including video/photo/audio/midi editing, Web and page layout, MS Office, etc.
- **Computer hardware**: proficient at assembly, configuration and maintenance, Raspberry Pi, Arduino, Micro:Bit

Passionate about

- Helping to build awesome kids
- Making things (web sites, software products, woodworking projects)
- Music, playing guitar
- Harnessing the best from everyone

Volunteer

- 16 years as a girls, recreational soccer coach
- 3 years as an on-ice program assistant with new skaters
- Executive member of the committee hosting the largest skating competition in Canada in 2017/18/19
- 8 years as President of Minto Skating Club ($500,000 per year, non-profit)

References

Ann Arden - Vice Principal at Sir Wilfrid Laurier Secondary - ann.arden@ocdsb.ca - (613) 913-5023

Dennis Pare - Principal at Alta Vista Public School - dennis.pare@ocdsb.ca - (613) 614-3681

Louise Cesario - Vice Principal at Sir Winston Churchill - louise.cesario@ocdsb.ca - (613) 224-2336

Tara Laine - Principal at D'Arcy McGee - tlaine@wqsb.qc.ca - (819) 684-7472 x437001

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