



McGill

Faculty of  
Education

Learning today,  
leading tomorrow

**MADE**  
by McGill

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BEd'19

For more than 150 years, the Faculty of Education has been at the forefront of teaching, learning, and groundbreaking research in all aspects of education and human development. Its comprehensive and ambitious research agenda **has nurtured expertise that spans integrated education and pedagogy, educational and counselling psychology, kinesiology and health-related fields such as physiology and biomechanics.**

The influence and impact of the work being done by faculty, researchers and students are seen and felt nationally and internationally. Besides its successful current work, the Faculty of Education is constantly evolving to address new issues confronting society.

Advancing health education and wellness. Increasing the number of qualified Indigenous teachers in their communities. Examining factors that affect mental health in students and teachers. Identifying developmental and learning difficulties in the classroom.

Exploring the impact of technology on today's learning environment.  
Tackling the school dropout challenge.  
Responding to the growing need for more math and science teachers.

[ Cover Photo ]

Felicia Trunzo  
BEd'19

Scholarship recipient, specializing in  
Kindergarten and Elementary Education.  
Graduated in the top 10% of her class.

**Today, faced with a future where challenges will only be solved through imagination, collaboration and leadership, we are redefining education for the 21st century.**



Developing **inclusive educational systems** that build resilience and promote wellbeing.



And **leading innovations** in health and human development to create a better society.

The Faculty of Education is **bridging the gap** between research and practice in classrooms, clinics and beyond.





Educators who can stop a challenge from becoming a crisis.

Made by better mental health interventions.

Made by McGill.

Nancy Heath  
BA'84

James McGill Professor in the Department of Educational and Counselling Psychology. Associate Dean of Research and Innovation. Leading researcher on resilience, mental health and wellness in young people.

# These are our strengths

McGill's Faculty of Education brings strength and creative vision to the advancement of learning and the transmission – and expansion – of knowledge. We have the expertise and the capacity to mobilize around our shared belief in the power of education to change the world.



Among the Faculty's distinctive strengths are:

### Leading researchers across multiple disciplines

The Faculty's researchers in three departments – Integrated Studies in Education, Educational and Counselling Psychology, and Kinesiology and Physical Education – advance knowledge that targets the pedagogical, psychological, physical, and social aspects of human development as they relate to the well-being of individuals and societies.

### Partnerships that drive change

The Faculty's dynamic team of kinesiologists, psychologists, teachers, and scientists regularly collaborate with other research units to pioneer innovative strategies related to all dimensions of human development: physical fitness, mental health and intellectual growth.

### Practical solutions to real-life problems

The Faculty's investigators are pioneering research that is improving the lives of individuals and societies. From exploring technology as a learning tool, to examining what training is needed to avoid injury and achieve winning results, and delivering Indigenous education through in-community programs, our students and researchers are making a real and lasting impact in the community.

# This is our vision

The Faculty of Education is playing a leading role in shaping research, teaching and learning for the 21st century.

Building on our distinctive strengths, the Faculty of Education has an ambitious vision to create impact in the following priority areas:

## Leveraging technology to advance STEM education

In our changing world, knowledge of science, technology, engineering and math (STEM) is increasingly important. Yet there is a shortage of qualified STEM educators in schools across North America. Many students – especially girls and youth from disadvantaged communities – disengage from these disciplines, often before reaching high school. Our goal is to break this cycle by creating immersive technology training that will prepare and inspire future generations of STEM educators and learners.

## Addressing mental health among students and educators

Today's students live with unprecedented levels of anxiety and depression, as do their teachers. Drawing on its strengths in educational and counselling psychology, the Faculty seeks to design resource materials and skill-building curricula that will help integrate resilience and wellness skills at all educational levels. Additionally, decreased classroom focus and increased neurodiversity in the student body present opportunities for the Faculty to help build more inclusive learning environments.



## Advancing Indigenous education

Since 1975, the Faculty has collaborated with local Indigenous school boards to develop high-quality education systems by designing and delivering community-based teacher education and professional development programs. Now, as Indigenous education experiences a period of promising growth, the Faculty's Office of First Nations and Inuit Education is poised to have an even greater impact, by increasing the number of Indigenous educators certified to teach across Quebec and becoming a national leader in land-based education.

## Examining how exercise science promotes healthy living

Through its renowned Department of Kinesiology and Physical Education (KPE), McGill is using the most advanced science to understand how the human body functions. The study of movement and exercise science enables us to shed new light on health and human potential. By examining the body's limits, our researchers are able to better understand how physical activity can enhance health for all – elite athletes, aging seniors, or children living with disabilities.

## Supporting future-ready leaders at all levels

Our professors, researchers and students are the foundation of all the successful programs and activities developed in the Faculty.

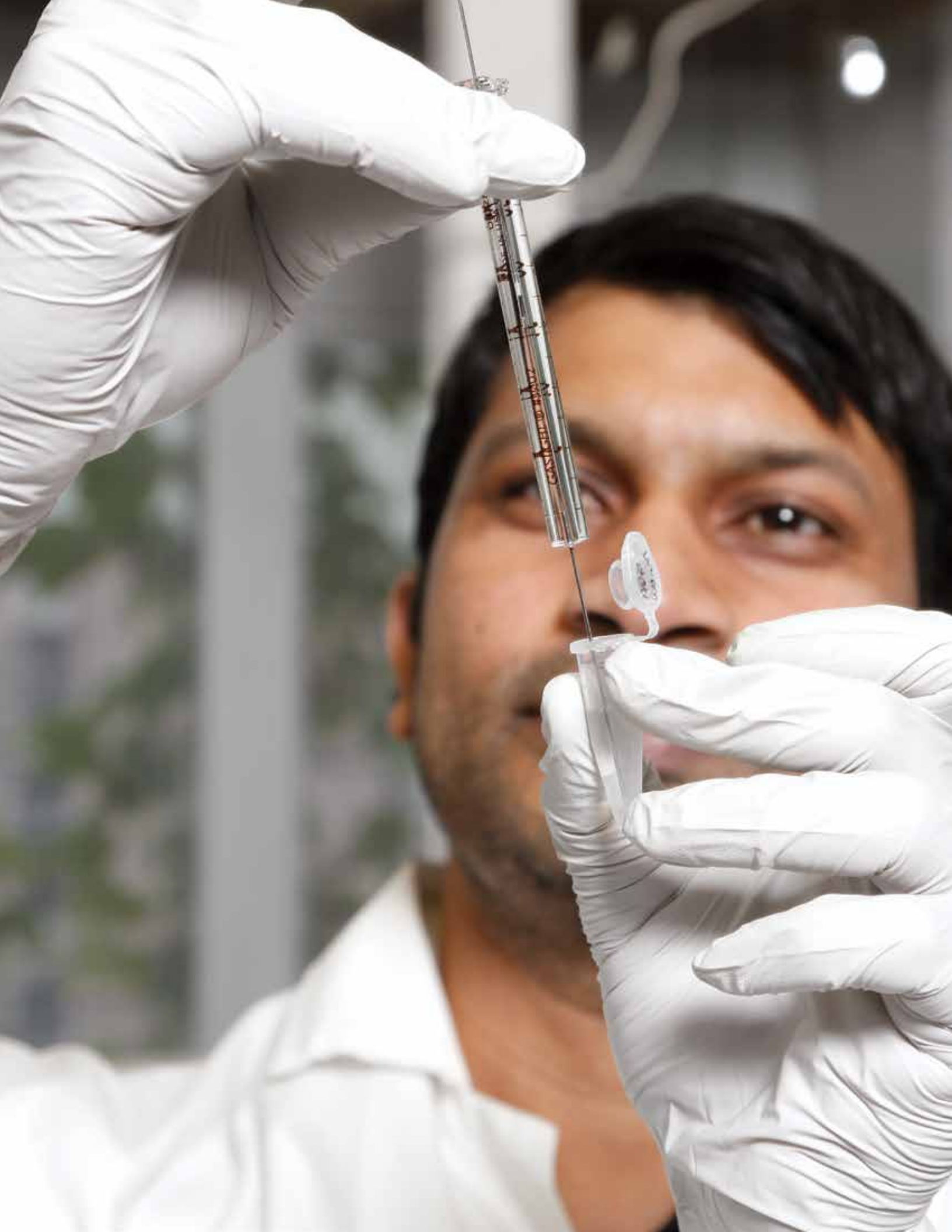
We are committed to supporting their ongoing research, training and community initiatives through a research innovation fund, graduate and postdoctoral fellowships, community outreach and engagement awards, and undergraduate summer research studentships.



Children who see  
all that they can be.  
Made by teachers  
from the community.

Andrea Brazeau

Inuk student from Kangiqsualujuaq studying Kindergarten and Elementary Education with the goal of returning to teach in her home community.



# Leveraging technology to advance STEM education

Today's students face a rapidly changing world, one in which they will take on jobs that have only just been imagined, using technological tools not yet invented. By gaining a solid grounding in science, technology, engineering and math (STEM), they will develop the skills and capacity to achieve their full potential in this dynamic environment.

Top-quality teaching in these fields is crucial, but there is currently a shortage of qualified STEM educators in the school system. STEM subjects are a major obstacle for many students in education programs - especially among those from low-income backgrounds who have no history of higher education in their family.

McGill Education students need enhanced tools and immersive technology training to become future leaders in STEM education. Only then will they be empowered to transfer these skills from theory into practice and inspire students from the preschool years on to take an interest in STEM-related fields. Advanced STEM education will enhance learning and change the way the next generation approaches problem solving, both inside and outside of the classroom.

With philanthropic support, the Faculty of Education will achieve this goal through:

## The STEM Education Laboratory

This new space will be a leading-edge teaching laboratory with the equipment and technology to help student-teachers develop the necessary skills and techniques to stand out as leaders in their field. With experts in the learning sciences, game development, robotics, digital literacy and science education, the STEM Education Lab will act as a teaching laboratory and a new space to house community partnerships.

## The McGill Network for STEM Education

Working in partnership with industry leaders and key stakeholders, the Faculty seeks to change the way that science and math curricula and teaching methods are conceptualized and implemented in schools. The McGill Network for STEM Education will bring together local school boards, corporate partners, non-profit organizations and independent schools to better integrate STEM education in schools at both the elementary and secondary levels.



# Addressing mental health issues among students and educators

Schools play a key role in the prevention of mental health issues. In addition to rising diagnoses of chronic stress, depression and anxiety among students, educators and school leaders, classrooms are becoming more complex due to a rise in multi-faceted student needs. With approximately 40% of teachers leaving the profession within their first five years due to stress, the Faculty is working to develop and implement best practice models to better support educators and students across the country.

Faced with an urgent need to build resilience against the mounting number of societal stressors, the Faculty of Education is bridging the gap between research and practice in a variety of areas related to mental health and inclusive education.

Through its research groups, and in collaborations across disciplines, faculty members are engaged in research and interventions that address a wide range of areas such as gambling, addiction, excessive screen/video game usage, self-injury, as well as skills-based stress management programs for students.

With philanthropic support, the Faculty of Education will continue to drive change through:

## Students' mental health and stress resilience programs

The Faculty has developed teacher resources, varying from lesson plans to peer support programs, based on the latest research in stress and mental health resilience. Based on the success of this initiative, the Faculty seeks to adapt this program to serve other audiences, including students from elementary school through higher education.

With the goal of empowering students to develop resilience, coping skills and responsible self-care, this monumental program has the potential to be scaled nationally and implemented in both formal and informal educational settings.



## An inclusive hub for McGill students on the autism spectrum

Faced with a growing number of university students with autism spectrum disorder (ASD), the Faculty has the expertise in inclusive education to better address the needs of McGill's neurodiverse student body. With the Faculty developing and implementing a research-informed model of support, students with ASD will have the opportunity to pursue their studies in a more supportive environment, while enriching our academic community. This cross-disciplinary collaborative initiative has the potential to significantly impact the university experience for these students.



A Faculty of Education for McGill's third century.

Made by donors like Pauline Smith.

Made by McGill.

MEd'75. Lifelong teacher, visionary donor to the P. Lantz Initiative for Excellence in Education and the Arts, the McGill Art Hive, and student awards.



Programs that make a difference.

Made by building relationships with communities.

Made by McGill.

Jim Howden  
BEd'80

Director of the Office of First Nations and Inuit Education (OFNIE) in the Department of Integrated Studies in Education. A teacher in Indigenous communities for more than 20 years.

# Advancing Indigenous education

There is a severe shortage of Indigenous teachers qualified and certified to teach in communities across Quebec.

Since 1975, the Faculty of Education has been collaborating with local Indigenous school boards to develop high-quality, Indigenous-controlled education systems across Quebec. Our Office of First Nations and Inuit Education (OFNIE) offers 10 teacher certification and professional development programs in 25 Indigenous communities, from the Hudson Strait, to Gaspésie, to the Greater Montreal area. All teacher education programs are offered entirely or partially in the Indigenous language of the participants.

With philanthropic support, the Faculty of Education will be able to:

## Expand in-community Bachelor of Education and certificate programs

In contrast with most McGill students doing their undergraduate studies on campus, Indigenous students pursuing their Bachelor of Education no longer need to leave their community. With customized programs in Listuguj and Kahnawà:ke, Indigenous student-teachers, who are often mature students with families, are able to achieve their teaching degrees while acquiring culturally relevant skills unique to their community. The Faculty seeks to expand this offering to additional Indigenous communities, thereby increasing the number of Indigenous educators certified to teach in classrooms across Quebec.

## Implement new land-based teacher education field schools

Across Canada, new land-based courses are redefining Indigenous education by relocating the classroom from the school building to the land. Working in close collaboration with Indigenous Education graduates, OFNIE seeks to develop a land-based curriculum and pedagogical resources for each of its partners. Taking into account traditional ways of acquiring and transmitting knowledge, OFNIE aims to become a national leader in land-based K-11 education.

## Deepen research on First Nations and Inuit education

The Faculty of Education conducts research on First Nations and Inuit education, ranging from youth leadership projects, to Indigenous science education, language revitalization, and educational psychology. The Faculty is eager to deepen this work through the addition of dedicated researchers, and the launch of an Indigenous Education National Consortium.





# Examining how exercise science promotes healthy living

Serving the community since 1912, the Faculty of Education's Department of Kinesiology and Physical Education (KPE) advances and translates knowledge about sport, physical activity and human health across the lifespan.

Training the leaders of tomorrow through excellence in teaching, research and service, our internationally recognized researchers partner with specialists to build transdisciplinary partnerships in the fields of physiology, biochemistry, psychology and neuromechanics. This research impacts people's health and well-being, from individuals afflicted with illness or injury, to top athletes eager to optimize their performance.



Philanthropic support will enable the Faculty to:

## Create a world-class Sport Science Institute

The Faculty is eager to build on its expertise by establishing a ground-breaking institute that will drive research in sport science and propel high-performance elite athletes to their full potential.

Central to the new institute will be a strategic connection with similar institutes to create multidisciplinary research collaborations and exchanges for students and researchers.

Philanthropic investments will allow the institute to build on the Faculty's existing strengths by leveraging complementary capacities in areas ranging from exercise physiology and biomechanics, to metabolism and molecular biology, and significantly accelerate the translation of laboratory-based research to the field.

## Transform the Kinesiology Clinic into a Physical Activity Hub

As part of its commitment to promote physical activity and a healthy lifestyle, the Department of Kinesiology and Physical Education operates a clinic that serves a wide variety of clients, from athletes and McGill students to disabled children.

While the Kinesiology Clinic is a point of pride for the Faculty, it no longer has sufficient space or facilities to accommodate its ever-growing number of clients. The Faculty plans to significantly enlarge the Clinic and enhance its ability to offer adapted sports programs and act as an inclusive Physical Activity Hub for students with special needs.

Revealing how activity improves well-being.

Made by exercise experts like Shane Sweet.

Made by McGill.

Associate Professor in the Department of Kinesiology and Physical Education, Canada Research Chair in Participation, Well-Being, and Physical Disability. Works to improve the well-being of people with spinal cord injuries and other disabilities.

# Supporting future-ready leaders

At the core of the Faculty's initiatives – from its work in STEM, mental health, and Indigenous education, to physical activity and health – are exceptional professors, researchers and students. The Faculty aspires to bolster its support for future leaders in education, educational and counselling psychology, and kinesiology and physical education. Its continued success depends on them.



Philanthropic support will enable the Faculty to create:

- › **A Research Innovation Fund** to support research developed at the Faculty, and help new and existing research teams advance knowledge in all areas of human development
- › **Graduate student and postdoctoral research fellowships** to support the training of emerging Education scientists and facilitate transdisciplinary collaboration among Faculty members
- › **Community outreach and engagement awards** to fund community-based activities that promote the education and health of the general public and targeted populations
- › **Undergraduate summer research internships** to support future educators and physical activity scientists
- › **Travel and mobility awards** that enable Faculty members and their trainees to present their research at national and international meetings, conferences or symposia, as well as visit other laboratories outside Quebec to learn new experimental techniques and establish research collaborations
- › **Awards for Indigenous students at the undergraduate and graduate levels** to support the next generation of Indigenous educators and leaders in communities across Canada

The Faculty of Education:  
Redefining human potential.

Made by McGill: THE CAMPAIGN FOR OUR THIRD CENTURY.



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