



CIFAL York - K2i Path2STEM workshop

Population

Date limite: 16 oct 2024

Type:	Workshop
Emplacement:	North York, Canada
Date:	17 oct 2024
Durée:	1 Days
Zone du programme:	Decentralize Cooperation Programme
Site internet:	https://lassonde.yorku.ca/about/our-values/kindergarten-to-industry-k2i-academy
Prix:	0.00 \$US
Personne de référence de l'événement:	cifaldirector@yorku.ca
Partenariat:	K2i Academy , CIFAL York

ARRIÈRE PLAN

The Lassonde School of Engineering launched k2i (kindergarten to industry) academy in June 2020 with a mission to create an ecosystem of diverse partners, committed to dismantling systemic barriers to opportunities for underrepresented students in STEM.

The k2i academy engages with youth by bringing STEM to life - connecting directly to school boards and their classrooms, offering innovative work-integrated learning programs, and partnering with community organizations to provide unique, hands-on STEM learning opportunities. Today, we have grown to reach 80,000+ students, teachers, families, and community members, spending 340,000+ hours in virtual and face-to-face engagements, generating almost \$7.5M in funding.

OBJECTIFS DE L'ÉVÉNEMENT

The key goals and objectives of this event are:

- To engage with youth to teach them about STEM career opportunities.
- Teach youth various skills related to STEM fields
- Create a path for young students to enter STEM fields when they reach post-secondary education.

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CONTENU ET STRUCTURE

Relevant academics within York University are invited to host workshops related to STEM for visiting youth.

CIFAL York's Content and Structure:

- Presentation on sustainable development, emergency management, and how technology can be used to assist in mitigation, preparedness, response, and recovery.
- Workshop activity teaches youth how to program robots with colour sensors to detect and avoid flooding areas marked in blue while taking accessible roads marked in green to supply drop points marked in red.

MÉTHODOLOGIE

Various primary schools within the York community are invited to bring their classes to participate in the workshops. Each class can attend 3 workshops throughout the day. Workshops are hosted by relevant academic partners within York University.

AUDIENCE VISÉE

Primary school students