Unitar Online Catalogue

CIFAL York - K2i Path2STEM workshop

People

Deadline: 16 Oct 2024

Type:	Workshop
Location:	North York, Canada
Date:	17 Oct 2024
Duration:	1 Days
Programme Area:	Decentralize Cooperation Programme
Website:	https://lassonde.yorku.ca/about/our-values/kindergarten-to-industry-k2i-academy
Price:	$0.00
Event Focal Point Email:	cifaldirector@yorku.ca
Partnership:	K2i Academy , CIFAL York

BACKGROUND

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.

EVENT OBJECTIVES

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.

LEARNING OBJECTIVES

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.

CONTENT AND 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.

METHODOLOGY

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.

TARGETED AUDIENCE

Primary school students