CIFAL York - K2i Path2STEM workshop

Personas

Plazo: 16 Oct 2024

Tipo:	Workshop
Ubicación:	North York, Canada
Fecha:	17 Oct 2024
Duración:	1 Days
Área del programa:	Decentralize Cooperation Programme
Sitio web:	https://lassonde.yorku.ca/about/our-values/kindergarten-to-industry-k2i-academy
Precio:	0,00 US$
Correo Electrónico del Centro de Coordinación del Evento:	cifaldirector@yorku.ca
Colaboración:	K2i Academy , CIFAL York

ANTECEDENTES

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.

OBJETIVOS DEL EVENTO

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.

OBJETIVOS DEL APRENDIZAJE

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.

CONTENIDO Y ESTRUCTURA

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.

METODOLOGÍA

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.

PÚBLICO OBJETIVO

Primary school students