



Digital Youth Programs

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Introductions

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Pathways for Youth

SAIT Youth Initiatives

Digital Youth
Programs

Dual-Credit
Programs

Exploratory &
Foundations

Opportunities for
Indigenous Youth

Summer Camps

Excitement

Belonging

Preparedness

Confidence

Authenticity



Spark Curiosity and Nurture Digital Intelligence

Digital Youth creates educational pathways and programs that engage youth in new and emerging technologies

Partnered with industry experts, school boards, community outreach programs

Inspires post-secondary and employment pathways

Programming through the lens of
Awareness → Mindset → Skills



Digital Youth Studio

Digital Youth Studio is a catalyst for digital intelligence for youth

Empowering students with the mindset and skills to create, to evolve, to make a difference in our digital futures.

Digital Youth Studio will remove technology equity barriers

Transform the abstract ideas and emerging technologies that encompass digital into tangible hands-on experiences

DIGITAL YOUTH PROGRAMS



Digital Youth Programs engage youth in new and emerging technologies to spark curiosity and nurture digital intelligence.

Digital Youth Programs demystifies "digital" as students explore what digital is, how digital is impacting daily life, and how digital is changing the future landscape of careers and industry.

The Digital Youth learning pathway prepares students to participate and contribute to an ever-evolving digital society. Digital Youth Programs have partnered with industry experts and school boards to collaboratively create and deliver life-changing experiences for youth that promote and inspire post-secondary programs and career pathways.

ART OF THE POSSIBLE

Art of the Possible Workshops provide students with hands-on experiences, allowing them to actively engage with emerging technologies and explore the ever-evolving applications of digital in both daily life and industry. Designed for students in Grades 6 – 12, students leave with an understanding of what digital means and how digital is changing the future landscape of career pathways.

HOW TO REGISTER

All Art of Possible Workshops are offered at no cost to teachers and their classes.

Enjoy Art of the Possible Workshops at SAIT's Digital Youth Studio on SAIT main campus or have a Digital Youth Programs Specialist visit for an in-school field trip.

Digital Youth Programs also provides **Teacher Professional Development** for all the emerging technologies available in the Art of the Possible Workshops.

Find out more at sait.ca/youth-programs

Email: dx youth@sait.ca



WORKSHOPS

3D Modelling and Printing

In this workshop, students explore how 3D Printing and 3D Modelling has impacted everything from manufacturing and construction to the medical industry. Students get hands-on with the online browser-based software TinkerCAD as they are introduced to designing, creating, and prototyping in 3D.

Cybersecurity

In this workshop, students explore the security measures that are put into place to protect privacy and information in an increasingly interconnected society. Students explore their digital footprint and test how safe their information really is. Students also build and utilize digital signatures to send encrypted messages through the Internet that only they can decipher.

Virtual Reality (VR) and Augmented Reality (AR)

In this workshop, students explore Virtual Reality (VR) and Augmented Reality (AR) and discover how the technology is being used within different industries and daily life. Students engage in a variety of VR stations that showcase different industries, entertainment, and art.

Artificial Intelligence (AI) and Machine Learning (ML)

In this workshop, students explore the emerging technologies of Artificial Intelligence (AI) and Machine Learning (ML). Students get hands-on with a variety of machine learning tools and build functional machine learning models with Teachable Machine that can recognize everyday objects.

The Internet of Things (IoT)

In this workshop, students explore the Internet of Things (IoT) and discover how everyday devices are a part of a giant network that impacts daily life, industries, and society. Students get hands-on with PocketLab IoT sensors to build a plan to transform Calgary into a Smart City through the interconnected nature of the Internet of Things.



SCAN QR CODE
TO REGISTER
OR LEARN MORE



Program Highlights

- **+7000** Registrations since the start of Digital Youth Programs
- Launched the Digital Youth Studio **February 1st, 2023**
- Agreements and Contracts with all the School Boards in Calgary
- Teacher Feedback:
 - **4.17/5.00** How did you find the registration process?
 - **5.00/5.00** How likely are you to register for another Art of the Possible Workshop?
 - **5.00/5.00** How likely are you to recommend Digital Youth programming to people you know?
 - **4.83/5.00** Overall, how would you rate the quality of the program and experience?

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Digital Youth Studio



DIGITAL YOUTH STUDIO

ARTIFICIAL
INTELLIGENCE

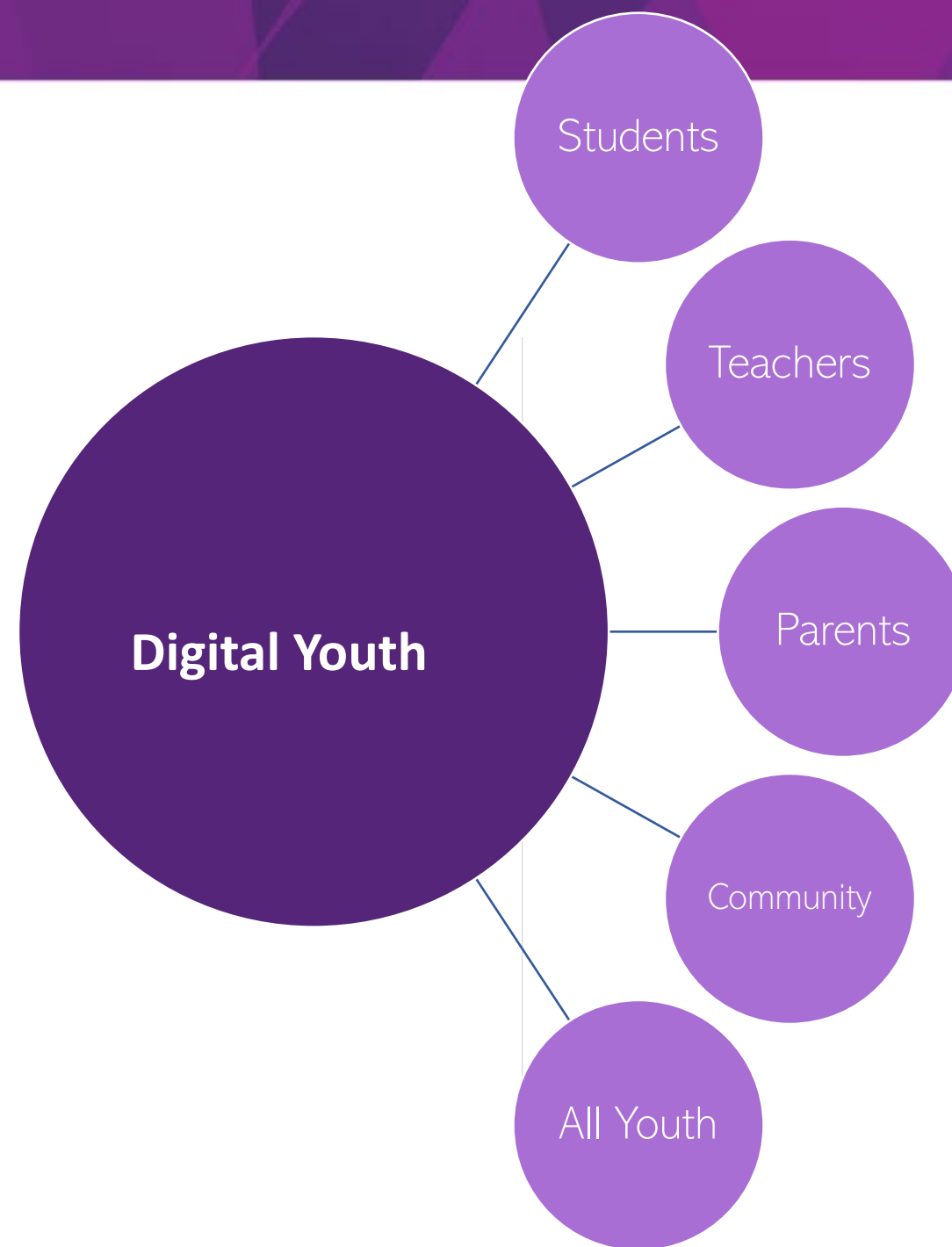


3D
MODELING

ECOSYSTEM







Digital Youth Technology Library

What We Offer:

3D Printing Services:

Submit curricular-connected projects for printing.

VR Headsets:

Borrow VR technology, complete with pre-installed educational apps or custom apps purchased by us upon request to align with your lesson plans.

How It Works:

1. Two Week Loan Period
2. Request Process
3. Agreement and Approval
4. Pickup and Return
5. Debrief and Lesson Feedback