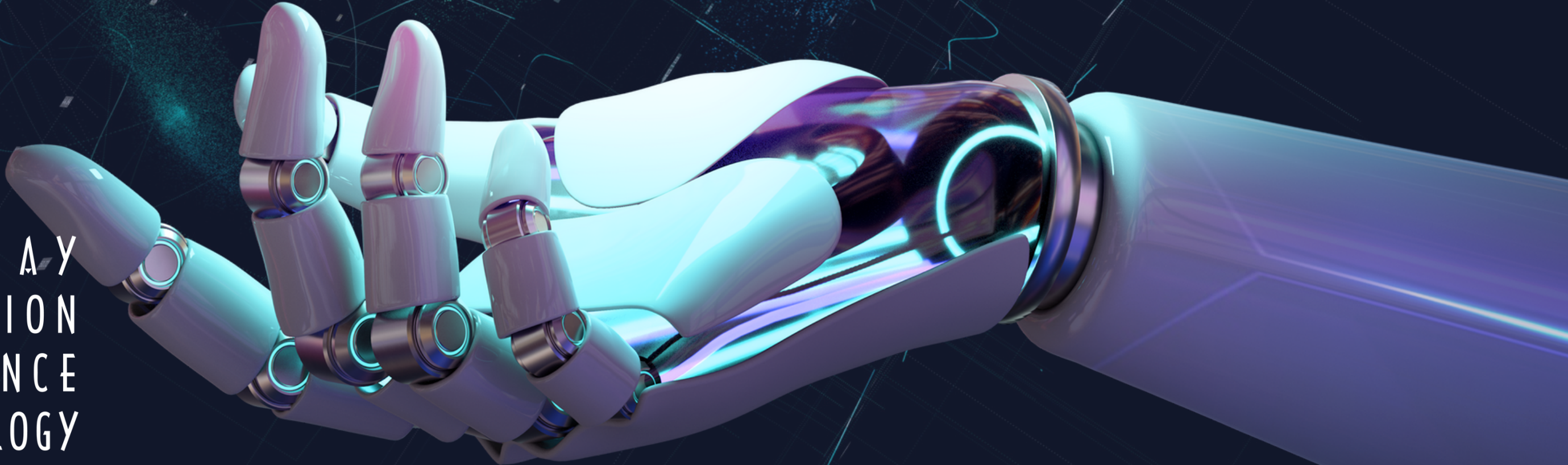


Melanie Fontaine
Executive Director

Science and Technology

IN THE KOOTENAYS

KAST KOOTENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY



The Speaker



Melanie Fontaine

Melanie Fontaine brings to KAST passion, skill and deep commitment to benefit the Kootenay science and tech communities.

Melanie comes from a strong scientific background in biochemistry research with a Master of Science degree from the University of Alberta. Some of her experiences include working at a non-profit hospital in Kenya and for the Provincial Health Services Authority in Vancouver.

She values access to STEM programs for youth and equal opportunities for young women to feel confident embarking on science and technology-related careers.

The Future is Science and Tech



The Tech sector is one of the fastest-growing industries in BC with over 3500 employed workers located in the Kootenays.



During the pandemic, technology workers were the least likely to have lost their jobs and have the highest paid wages across all industries.



As we look to the future, businesses in our region anticipate the workforce to require additional technological skills and there is a need for local program delivery to keep up with demand.





KAST

KOOTENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY

25 Years in the Kootenays!

- **Overview of KAST Programming**
- **Partnerships and Collaborations**
- **Opportunities**



1. Vision

A champion of innovation & valued partner in thriving sustainable technology communities across the Kootenays

2. Mission

Fostering inclusive economic opportunities & job creation through science, technology & innovation

3. Principles

- Integrity, Diversity & Inclusion
 - Insight & Innovation
 - Collaboration & Support
-

Who is KAST?

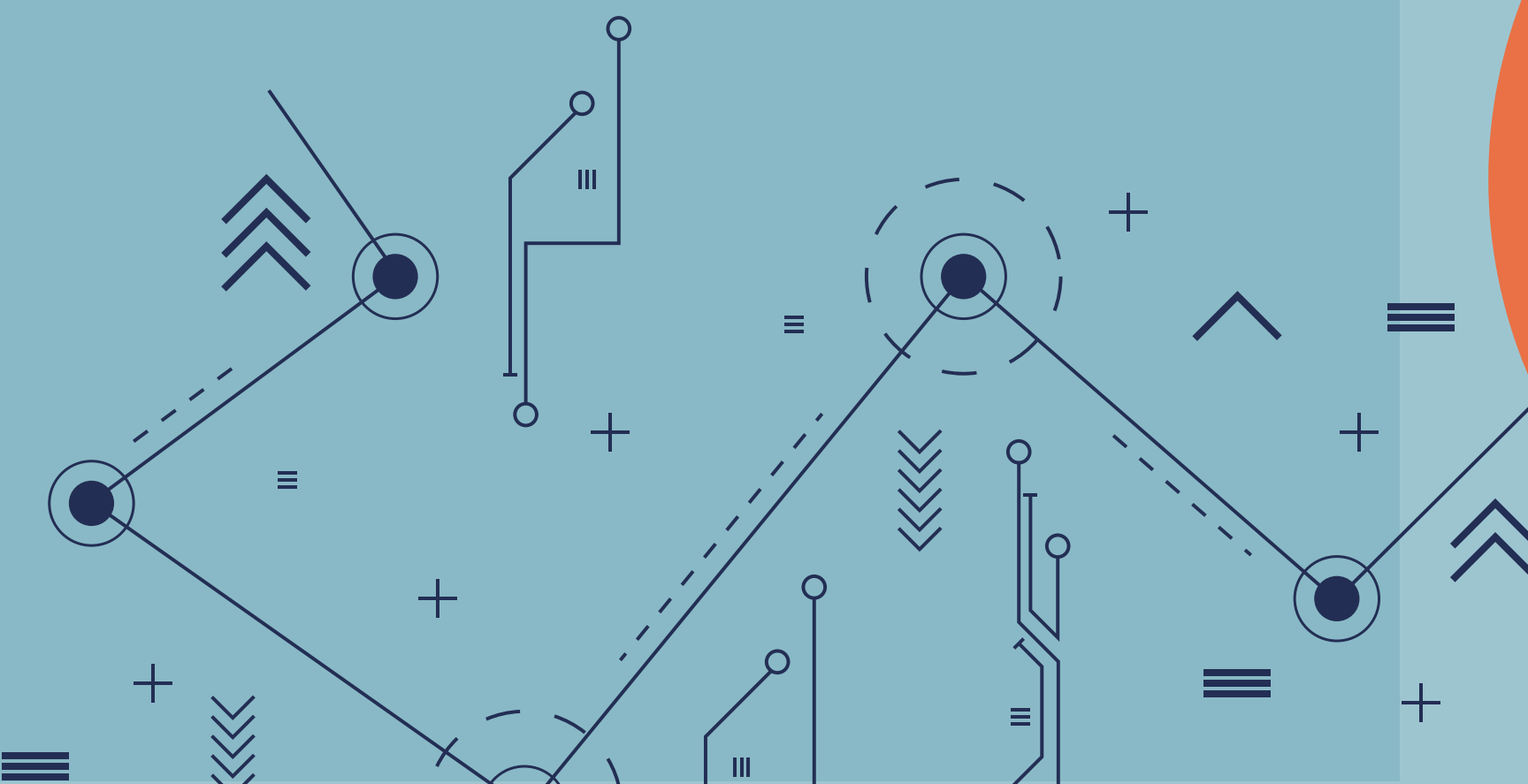
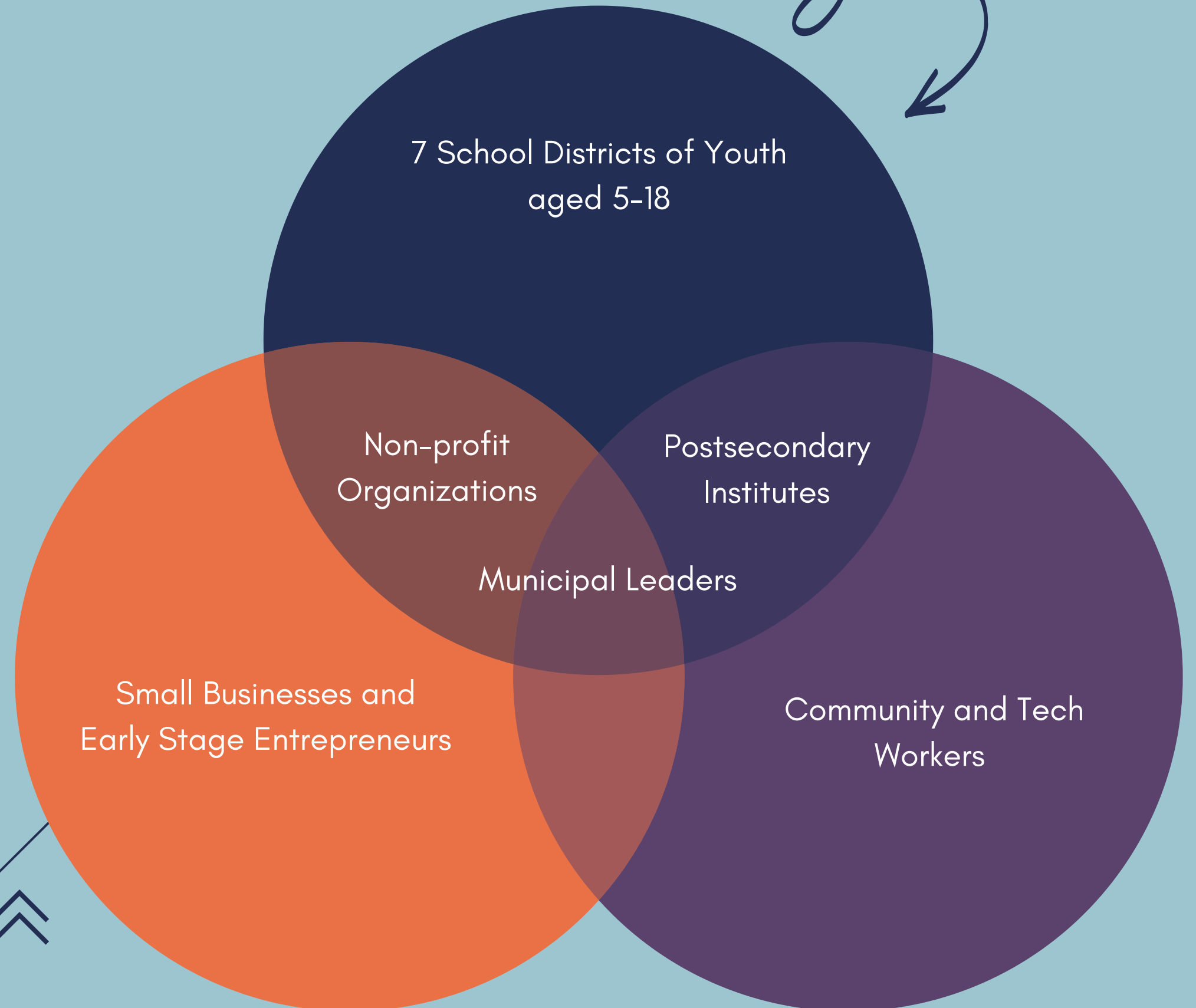


KAST KOOTENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY

Who Do We Serve?

KAST supports the region by providing programs, events, networking and mentorship to all stages of the Science, Technology and Innovation journey, including childhood, business growth, community contribution.

The Ecosystem!



YOUTH



Inspiring Kootenay youth to become the next-generation of innovators!



Inspiring today's youth to become tomorrow's innovators through **interactive learning & play.**

Developing the next generation of innovators through **skills-based training & career pathways.**



CLUB KAST

AN AFTER-SCHOOL TECH PROGRAM FOR YOUTH



**EVERY WEDNESDAY
3PM TO 5:30PM**

**NDYC MAKER SPACE
\$20 PER DAY**

REGISTRATION REQUIRED

WALKING SCHOOL BUS AVAILABLE
FOR HUME SCHOOL STUDENTS

NDYC
Nelson & District Youth Centre

KAST KOOTENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY

glows growing & learning opportunities with STEAM

**Learn Like a Computer
UNPLUGGED**

Age 5-7



Wed. April 13
3:30 - 4:30pm PST


REGISTER NOW

glows CANADA LEARNING CODE

glows growing & learning opportunities with STEAM

Teaching Kids How to Code

Ages 9 - 12



Is your child ready for a future in tech?

Wed. April 27th
3:30 - 5:30pm

REGISTER NOW!

glows CANADA LEARNING CODE

February 9, 2022

**GAME DESIGN
WITH
VIRTUAL REALITY**

Tech Camp



The ARTS station



KAST KOOTENAY ASSOCIATION FOR SCIENCE & TECHNOLOGY

glows growing & learning opportunities with STEAM

Design a Virtual Escape Room

3:30 - 6:30 pm
Online
Youth age 10+

register today!

Escape Game with Scratch!

Gr. 6-8



May 11, 2022
3:30pm to 5pm PT

Create your very own digital game using basic design and programming!

glows CANADA LEARNING CODE



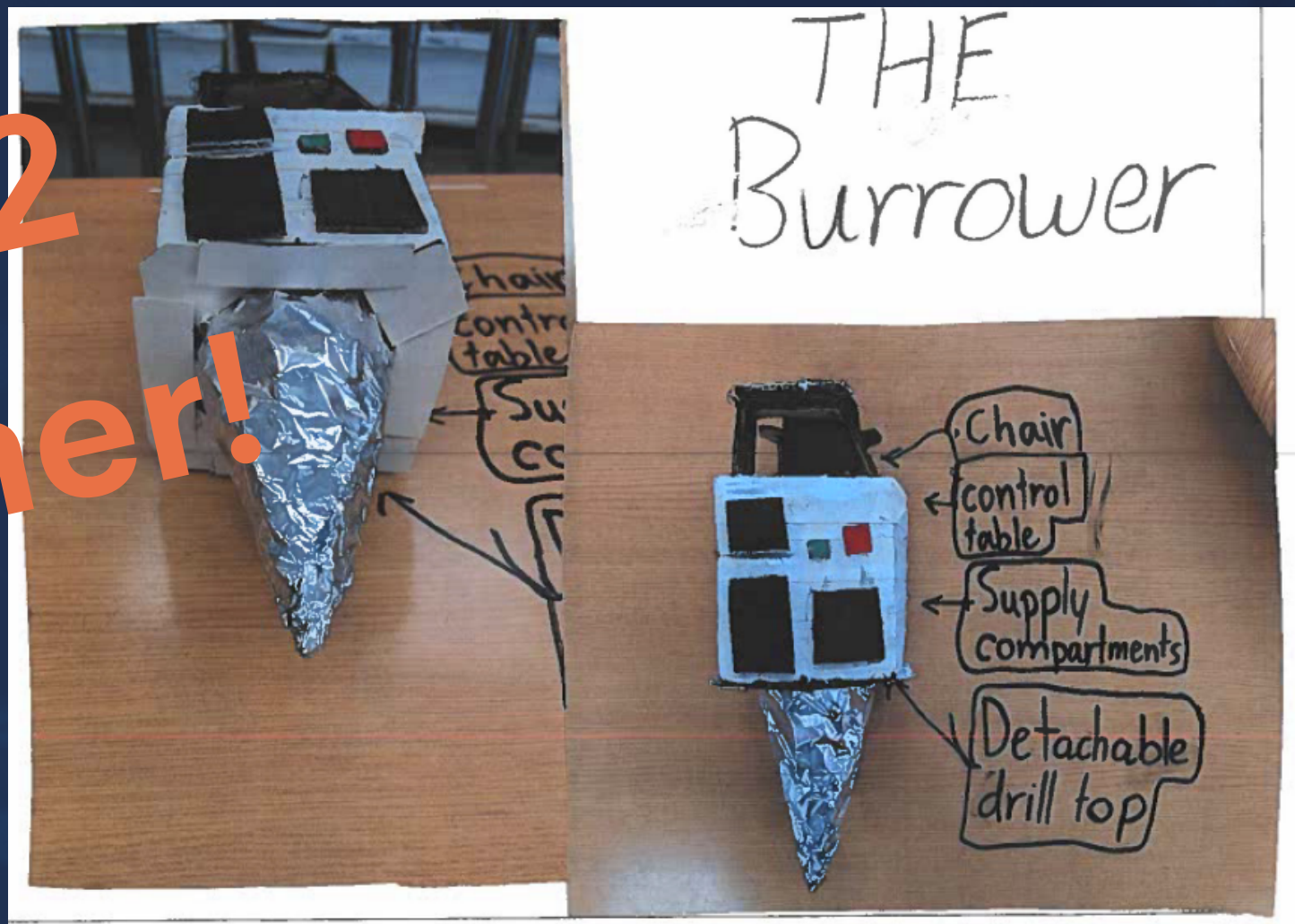
Kootenay CONTRAPTION Contest

November 2022

KAST KOOTENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY

FORTIS BC™

2022
Winner!



The Burrower is a drill-based model that is 5meters tall and 2meters wide. The burrower digs underground homes for people, animals, and plants to live in during deserted and flooded climates. The burrower comes with two robots, one named Blaz and one named Billy.

Blaz installs water and heat proof doors in every entrance to a room. The doors are made from the same materials as submarine walls which makes it able to take the pressure of 1,000 atmospheres and can withstand temperatures up to 300degrees. Blaz also installs drills, walls, and wires.

Billy installs the kitchen, furniture for the bedrooms, water filters and solar panels.

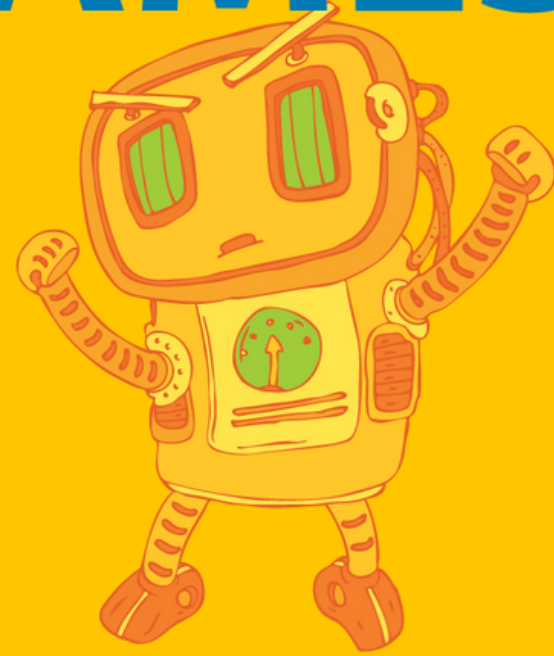
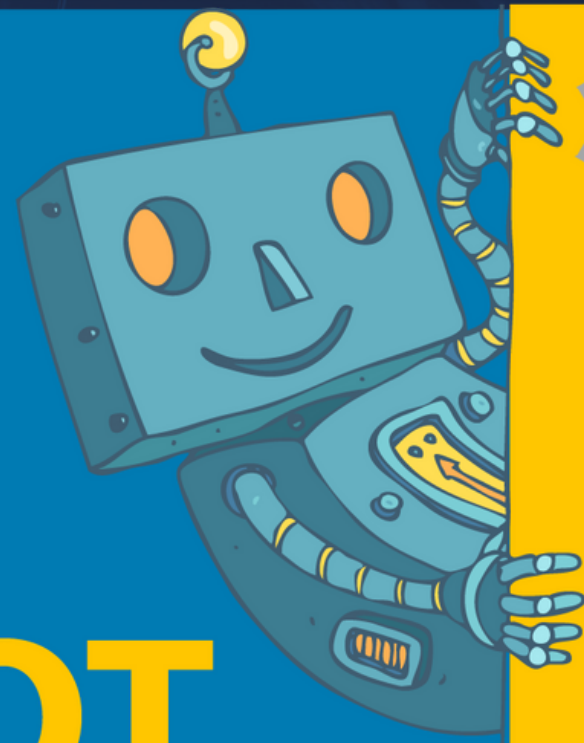
On the Burrower there are three compartments which supply all the material needed for the homes. One will have the tools; the other one will have all the materials needed; and the last one has wires in it to power the drill and robots. The Burrower has two stands on the sides of it that allow it to stand up and balance itself. When the drill reaches as far as it can attached to the base of the drill the drill top detaches and, on the top, there is a surface with a mini seat and glass cover that Blaz hops in and then drives the drill the rest of the way to make the shape of the homes.

Each home can have a different number of rooms depending on the amount of people living inside the home. Every house has a similar designee and shape even if there are a different number of rooms. The shape of the house is a 2meter wide tunnel the goes as far as one kilometer deep into the ground, so the temperature only gets to a max of 25-30 Celsius. Then the drill top will go to the left side of the long tunnel and go right to make different rooms and floors. After that the drill will go back to the surface, attach back onto the drill and let the robots, Billy and Blaz install everything else.

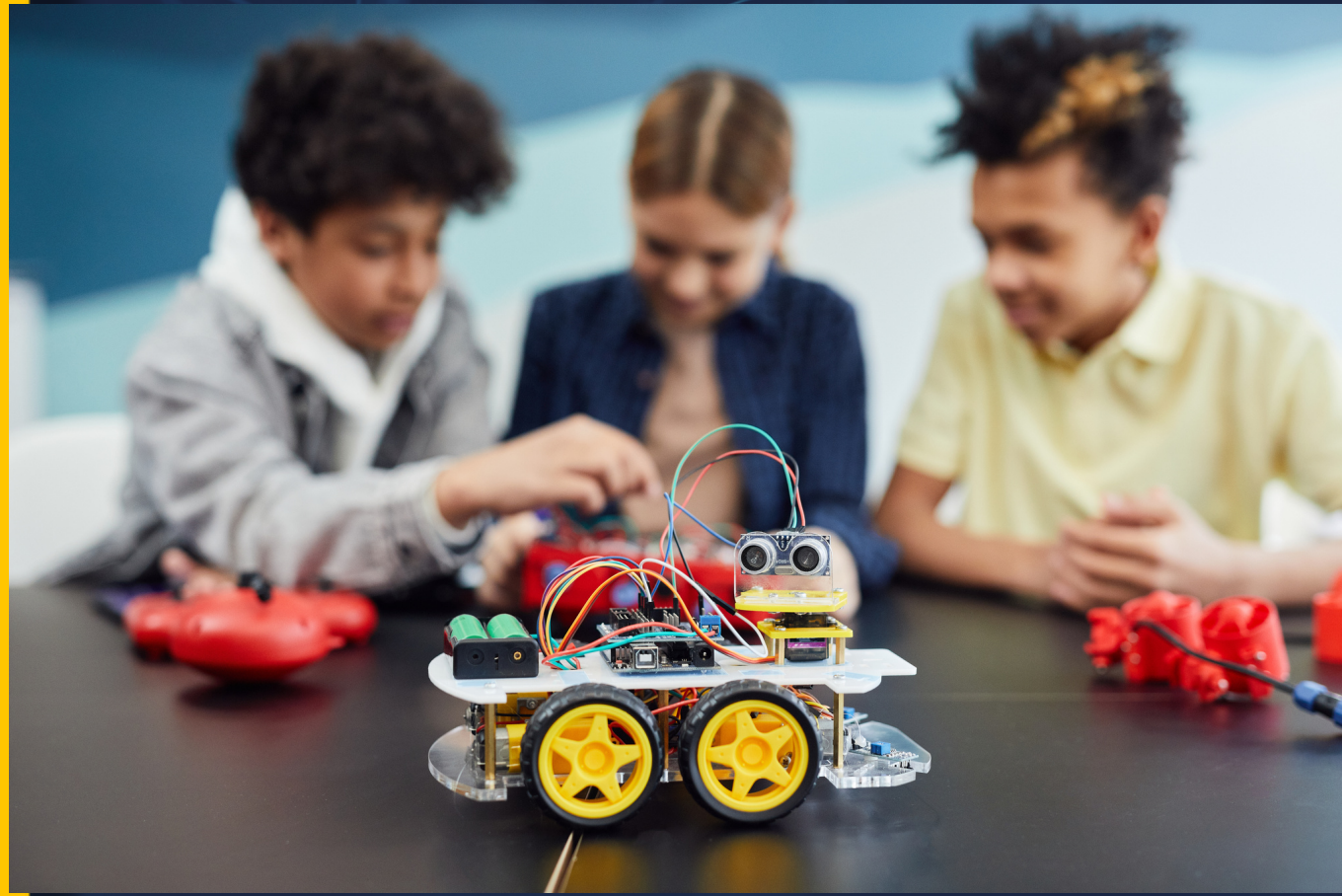
DISCOVERY FOUNDATION

ROBOT GAMES

ROBOT WEEK



kast.com/robot-games



Makerspace Collaboration





Quantum Leaps



April 12
4:00-6:00

← Click or scan to register

Celebrating Women in
**Engineering and
Natural Resources**

Speaker Social for
Youth 10 - 30

Equity Fund to support
travel is available.

Pizza dinner and snacks!
at **Nelson
Innovation
Centre**





Selkirk College Inspires Entrepreneurs and Helps Manufacturers Grow

May 9, 2022

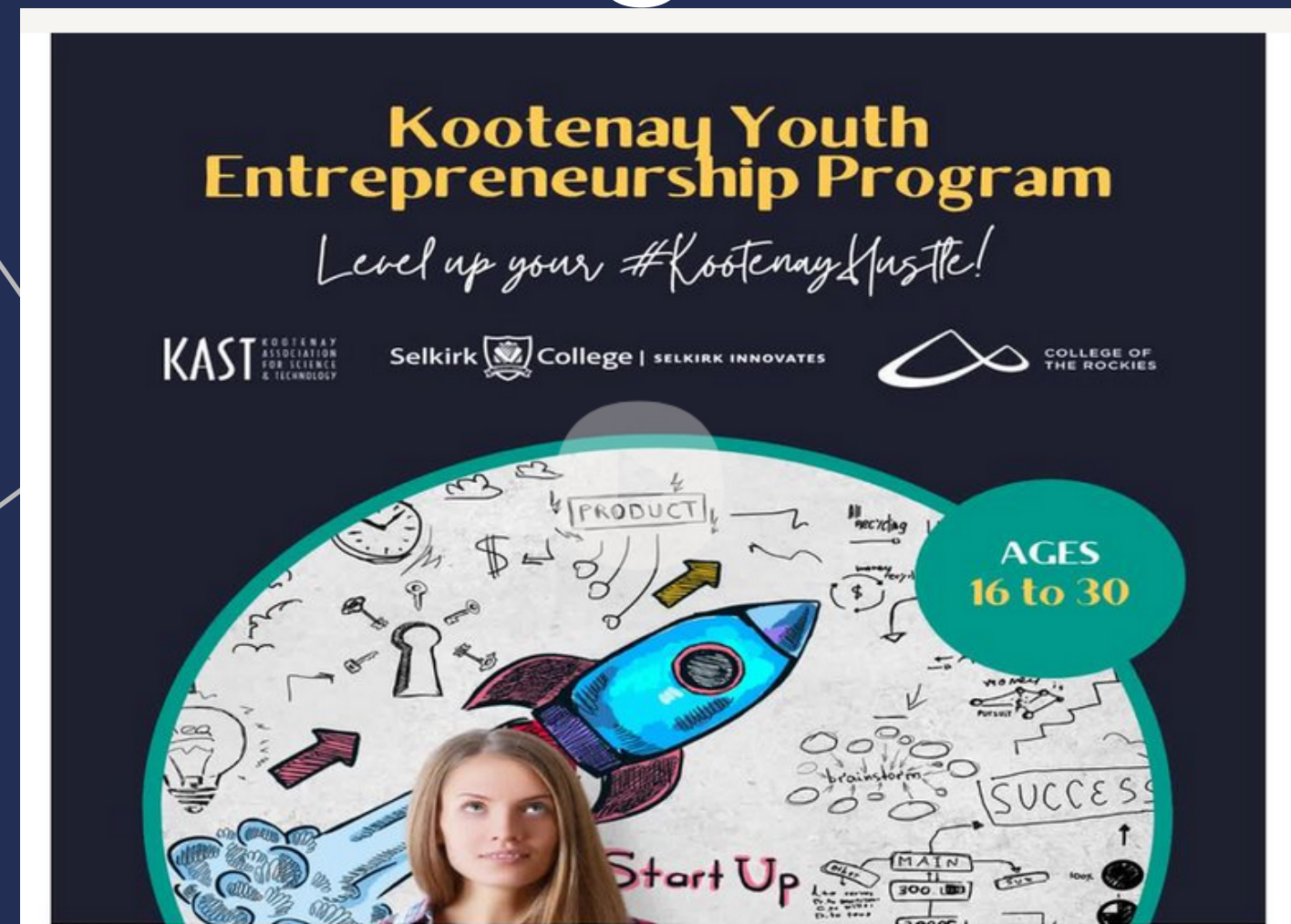
Two new offerings at Selkirk College are building workforce talent in the Columbia Basin-Boundary region. The first program helps students in tech programs to develop critical thinking skills and explore entrepreneurship. The second project allows students to learn by doing as they use their technical skills to help local outdoor recreation gear manufacturers.

Entrepreneurial Culture Thrives at College of the Rockies

May 4, 2022

Less than two years since the Applied Research Office opened at College of the Rockies, its value has been well demonstrated as students use their research skills to solve real-world problems in businesses and industry. With funding from ETSI-BC, the Office has expanded to help students develop their entrepreneurial skills by exploring their big ideas and turning concepts into successful ventures of their own.

Kootenay Youth Entrepreneurship Program



Build Your #KootenayHustle



*Kootenay Youth Entrepreneurship Program
Scan or Click to Register Today!*

MARCH 11: Market Analysis
MARCH 18: Product Development
MARCH 25: Building a Brand

Selkirk College, Castlegar
9:30am - 1:00pm PT

College of the Rockies, Cranbrook
10:30am - 2:00pm PT

**AGES
16 to 30**



Level up your #KootenayHustle



**KOOTENAY YOUTH
ENTREPRENEURSHIP PROGRAM**



**COLLEGE OF
THE ROCKIES**

KAST KOOTENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY

etsi BC
Economic Trust of
the Southern Interior

KAST

MIDAS



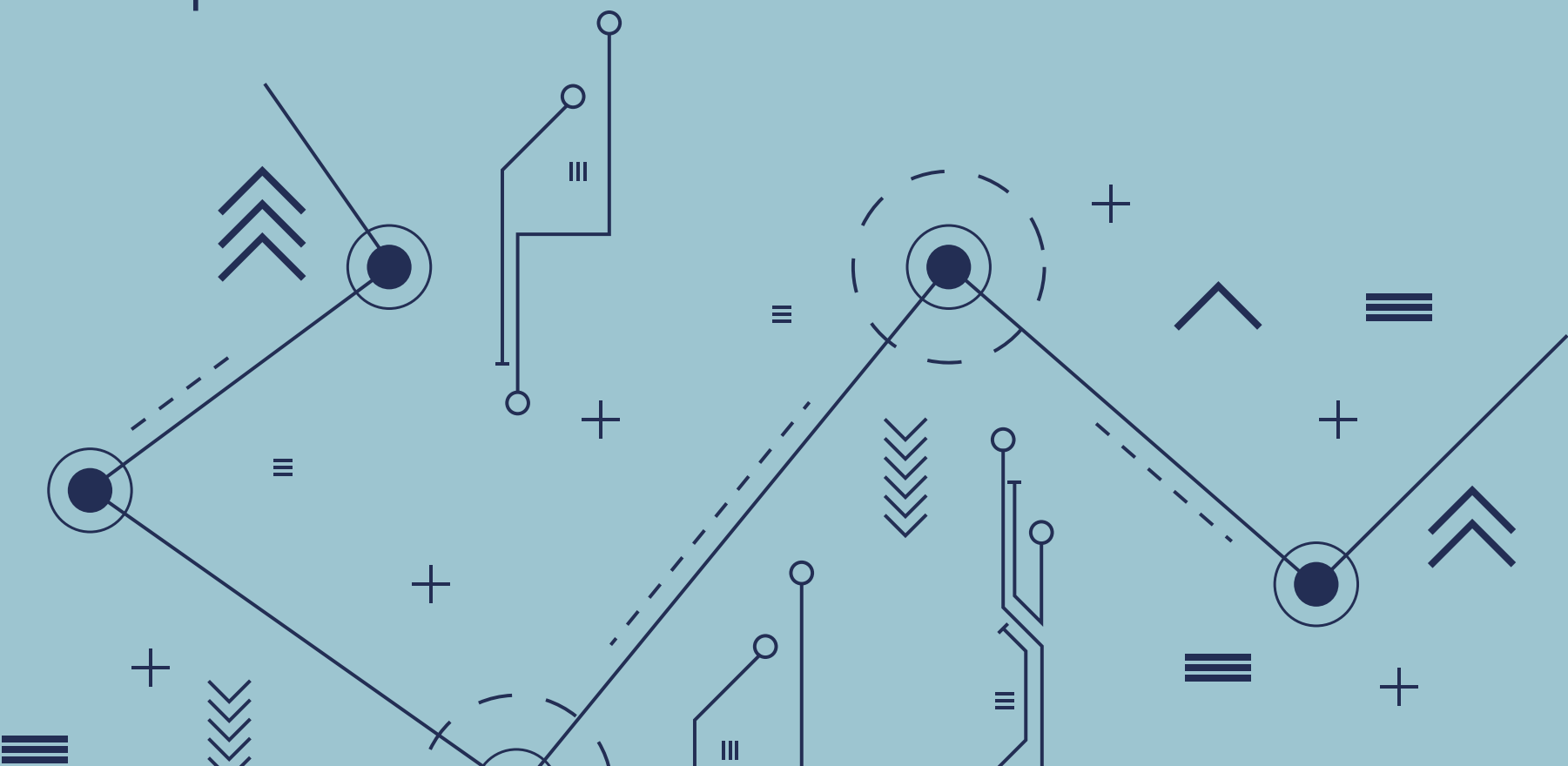
STAC

Selkirk College



The Selkirk Technology Access Centre (STAC) was an original KAST lead project that was passed to the college for even greater success

The STAC helps businesses apply new technologies to workflows, prototype new designs, reverse engineer critical parts, find advanced technology solutions and enhance manufacturing processes.





"We so much appreciate DER3 helping us navigate the intricacies of the digital world. Your support was the perfect kick off for our company's online presence."

-Claudia, Treasure Life Flour Mills

Bringing the Region Online

Digital Economy Rapid Response Recovery Program

Helping small-medium local businesses to enter or expand into the digital economy

Canadian Digital Adoption Program:
www.ic.gc.ca/eic/site/152.nsf/eng/home

Venture Acceleration Program

Supporting entrepreneurs who want to grow their business by providing one-to-one coaching with an experienced Executive in Residence (EiR)



Investment Readiness Training Program and Kootenay Investment Challenge

APPLY TODAY

INVESTOR READINESS TRAINING 2022



DOES YOUR TECH STARTUP NEED FUNDING?
IS YOUR COMPANY BASED IN THE KOOTENAY'S?
READY TO SECURE THOUSANDS IN INVESTMENT BUT
DON'T KNOW HOW?

▼



REGISTER FOR KAST'S INVESTMENT READINESS TRAINING PROGRAM:

- Learn how to seek investors from industry experts
- Discover the ins and outs of raising capital
- Receive 1-on-1 coaching to ensure you're investment ready

Register now to apply for this 9-week interactive learning program and join other entrepreneurs just like you taking control of their future!

TO REGISTER VISIT: WWW.KAST.COM OR SCAN HERE >

**REGISTRATION DEADLINE
03.24.2022**



KAST KOOTENAY ASSOCIATION FOR SCIENCE & TECHNOLOGY

KOOTENAY INVESTMENT CHALLENGE

SEPTEMBER - DECEMBER 2022

One Kootenay-based startup will be awarded \$50,000 - \$100,000 in investment at the end!

POWER THE INNOVATION
THE WORLD NEEDS.

APPLY NOW

KAST KOOTENAY ASSOCIATION FOR SCIENCE & TECHNOLOGY  **Volition**





SAMI MAJADLA CEO

CERTICRAFT

Compliance Software for Craft Cannabis Growers

- Venture Acceleration Program Graduate**
- Kootenay Pitch Competition Winner**
- Accelerate Okanagan Angel Summit Winner**
(\$150,000 investment fund)
- Kootenay Investment Challenge Winner**



CertiCraft



®

SMRT1 TECHNOLOGIES

SMRT1 Technologies is a technology company based in Nelson, British Columbia, Canada. We specialize in interactive, cloud-connected, smart dispensing solutions that provide engaging, frictionless, convenient, customer experiences. Make informed data-driven decisions with our tailored real-time dashboard analytics.

[SMRT1.CA](https://smrt1.ca)





THE UNIVERSITY OF BRITISH COLUMBIA
entrepreneurship@UBC



H U B
S P A
C E _



Kootenay Venture

Network

Bringing together entrepreneurs
with local investors

KAST

KOOTENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY





Business Surveys



Advanced Manufacturing



Net Zero Action Plan



DISCOVERY FOUNDATION



Nelson Innovation Center

Coworking | Boardroom Space | Events | Community



WORK

THE HUB
CO-WORKING



MEET

THE STATION
BOARDROOM



ATTEND

THE NIC
EVENT SPACE



TECH-PRENEUR TECH MEET-UP

Friday, May 27 | 6-9 pm | Nelson Innovation Centre

Learn how local entrepreneurs are scaling-up their tech-based companies and dominating their field!

Our Presenters:

SAMI MAJADLA
Co-Founder,
CertiCraft

BEN GLICKMAN
Founder,
Bitcoin ATM

FARRELL SEGALL
Founder,
Toptekkie

Nelson Innovation Centre, 91-D Baker St., Nelson, BC, V1L 1G8



City of
NELSON

E-Bike Expo

Friday, June 24, 2022
3:00 - 7:00 pm
Nelson Innovation Center
91-D Baker St, Nelson, BC

KAST KOOIENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY

TECH MEET-UP: ARTIFICIAL INTELLIGENCE

MARCH 29TH - 6-8.30PM
NELSON INNOVATION CENTRE

NETWORK AND LEARN ABOUT THE LATEST AI
TECHNOLOGY TRENDS AND DEVELOPMENTS!

CRYPTOCURRENCY CRAWL

07.22.2022 | 6-9pm

A 2-part informational event about the world of cryptocurrency

6-8pm - I. Discussion Forum @ The Jam Factory
8-9pm - II. Networking Pizza-Party @ Nelson Innovation Centre

GET TICKETS

- Leverage Social Media
- Hack Algorithms
- Create Copy That Sells!

KAST PRESENTS
TECH MEET-UP
DIGITAL MARKETING
Wednesday 29th June | 6-9pm
Uncover the Secrets to Digital Marketing Strategy



DIGITAL ART TECH MEET-UP

The Presenters:



ANGELA LACROIX
Amber Spark Design



JONATHAN RAMOS
jora.digital



PETER MCRORY
EMIT Studio

Join us for an evening of sensory delight, networking and discover the digital world of art!

WEDNESDAY | Nelson Innovation Centre | 6-9 PM
4/20

Nelson Innovation Centre, 91-d Baker St., Nelson BC, V1L 4G8

NiC Tech Meet-up: Climate Innovation



WEDNESDAY, MARCH 23RD AT 6-9PM

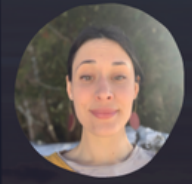
SCAN FOR TICKETS

Join us for an evening of climate innovation presentations and network with fellow tech enthusiasts!

Meet the Presenters:



CECILIA JAQUES
City of Nelson



EMILY MASK
City of Nelson



TED WEAVER
First Tracks Consulting



BRUCE HUNTER
Nelectricar

NELSON NEXT:
Implementing the City of Nelson's Visionary Climate Plan

LEVERAGING CLEAN TECH PARTNERSHIPS

NELECTRICAR:
An urban transport

THE 34TH ANNUAL 1ST OPENING NIGHT

ART WALK

FRIDAY
24 June
6PM - 9PM

Venue 2022

art by Rachel



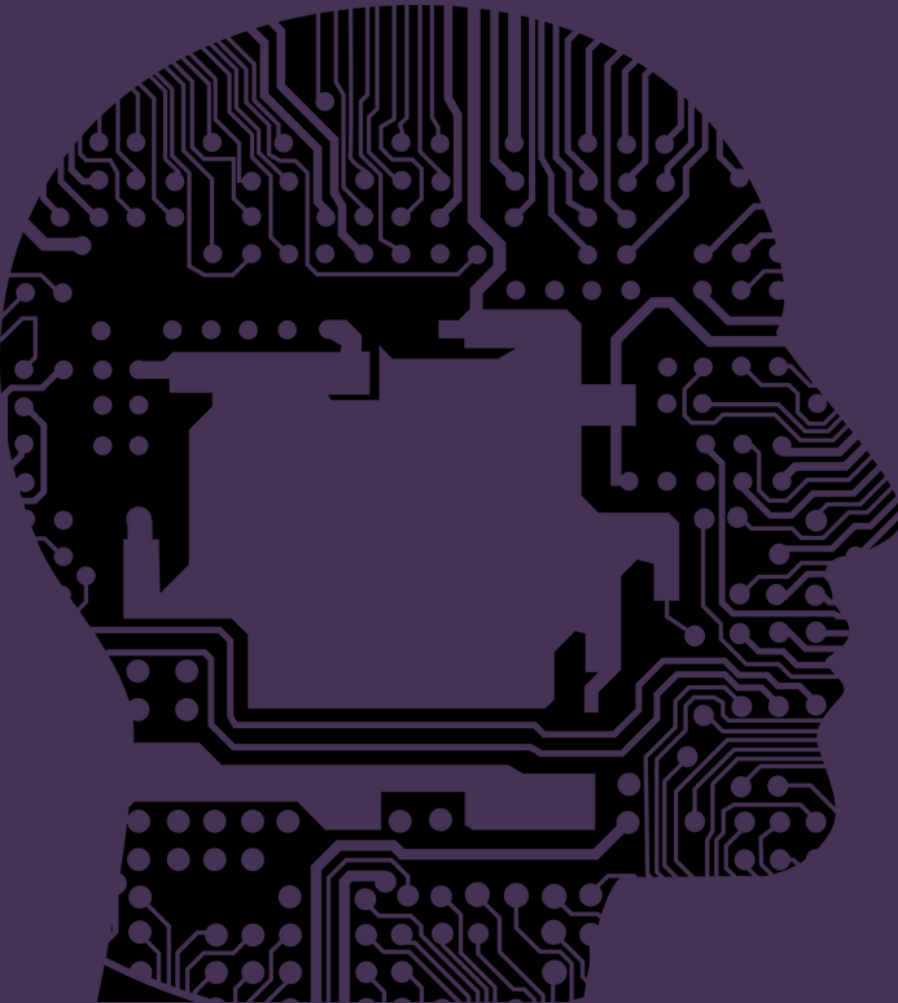
Tech Meetups

KAST KOOTENAY
ASSOCIATION
FOR SCIENCE
& TECHNOLOGY

TECH MEET-UP:
**ARTIFICIAL
INTELLIGENCE**

MARCH 29TH - 6-8.30PM
NELSON INNOVATION CENTRE

**NETWORK AND LEARN ABOUT THE LATEST AI
TECHNOLOGY TRENDS AND DEVELOPMENTS!**



Where can you get involved?



New programs that would benefit from regional delivery



Partnerships on current programs to ensure community access



Support for Tech Meetups to come to your community



OUR BOARD



Lorri Fehr

Chair



Nate Kube

Vice-Chair



Jonathan Doyle



Chris Botterill



Jason Taylor



Paul Tiege



Chris D'Odorico



Nick Howald

OUR STAFF



Melanie Fontaine

Executive Director



Sam Farrell

East Kootenay Director



Katie Wells

CFO

OUR CONTRACTORS



Lauren Bergman



Terry Sidhu



Kathleen Ayre



Beth Gallup



Henry Kutarna



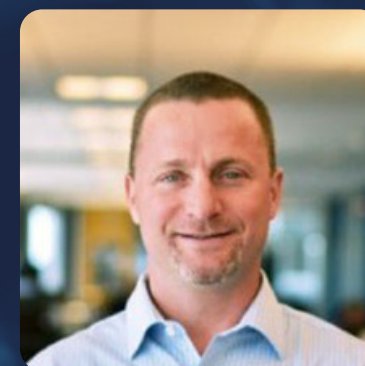
Kamren Farr



Clay Braziller



Don Freschi



Steve Fisher



Christian Rawles

Q and A

ASK AWAY!

Melanie Fontaine
Executive Director

 1-236-287-2080

 melanie@kast.com

 www.kast.com

 @KASTInnovation

