



**SIEC**  
Saskatoon Industry  
Education Council

***School-To-Work Transitions: Connecting Youth to the  
Labour Market***

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Saskatoon Industry-Education Council**

**Our vision of the Saskatoon Industry Education Council is to create a community of **SHARED RESPONSIBILITY**, preparing youth for quality careers.**

## **PARTNERS**

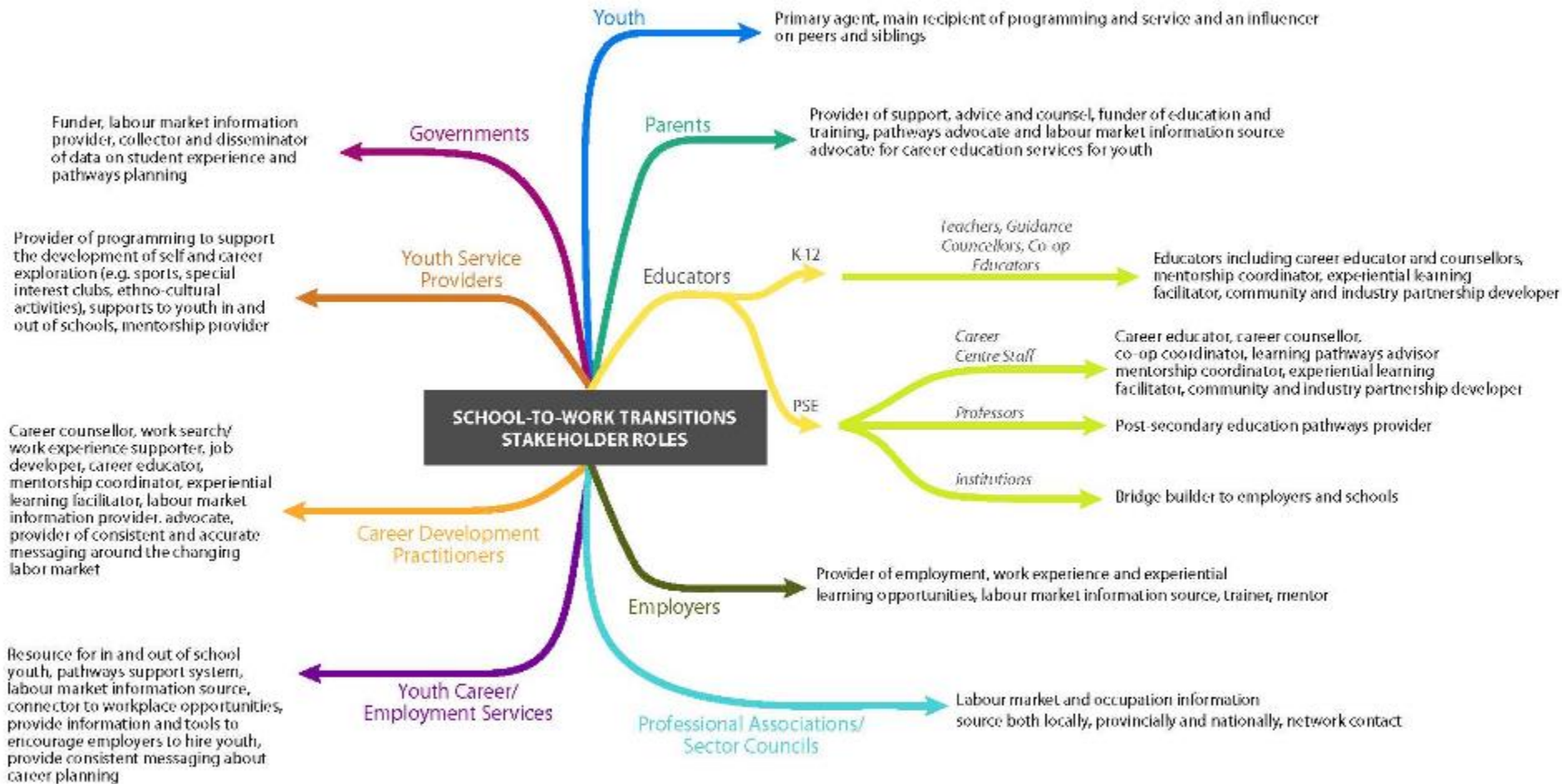
- \* 3 school divisions (Saskatoon Public Schools, Greater Saskatoon Catholic Schools, Prairie Spirit School Division)
- \* Saskatoon Tribal Council K – 12 Schools Community-based organizations
- \* Post-secondary institutions
- \* Federal, Provincial and Municipal governments
- \* Industry associations
- \* Local business and employers

**In 2018-2019 the  
Saskatoon Industry Education Council  
worked with:**

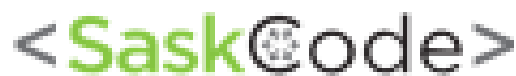
- ❖ 28,000 + Youth**
- ❖ 1400 + Teachers/Career Practitioners**
- ❖ 900 + Business/Post-secondary representatives**
- ❖ 43 Programs & Events**

# SASKATCHEWAN YOUTH ENGAGEMENT MODEL

## School-To-Work Transitions Stakeholder Roles



PROGRAMS INCLUDE



The logo features a red megaphone icon on the left, followed by the text "spotlight on" in a grey sans-serif font, a small red snowflake icon, and the word "CAREERS" in a large, bold, red sans-serif font.

# spotlight on CAREERS

- Spotlights spread throughout the school year where youth, primarily in grades 11 and 12, experience both industry and educational opportunities in a field that is of interest to them.
- Youth visit various job sites and post-secondary institutions, giving them a glimpse into requirements in specific careers. - Engage
- in some hands on activities and listen to guest speakers who talk about their own career journey. Over 75 careers are highlighted.

- Media & Technology
- Aviation
- Nursing
- Therapies
- Pharmacy Technology & Nutrition
- Culinary Arts, Food & Nutrition & Hotel Management
- Entrepreneurship & Business
- Emergency Services
- Health Science and Technology
- Medical Diagnostics
- Computer Science & Technology
- Automotive Service Technology
- Engineering
- Mental Health
- Veterinary Technology & Medicine
- Construction/Manufacturing
- Primary Care/Paramedic Program
- Construction



- 2 High school credits through on-line program
- 6 days of job shadowing at the Sask Power Queen Elizabeth Power Plant
- 6 days of STEAM time at the SaskPower simulation lab.
- Ability to write the TSASK industry exam at the end of the program with Power Engineering 5 designation
- Possible summer employment with SaskPower
- Credit to Post-Secondary Power Engineering 4 programs in Saskatchewan.





# newcomer youth engagement program

- Refugee and immigrant youth aged 17 to 21 take part in this school within a school program.
- Students will NOT graduate from high school at this time because of language deficiency.
- The focus of the program with intensive language development combined with life and employment skills development.
- Connection to the labour market includes: driver education training, industry certifications and job shadows, site tours, in the hopes of employment
- Partners include schools, settlement agencies and industry associations.





Students engage in boot camps that enable the participants to learn theoretical and practical skills that may be applied to a number of different careers pathways:

- **Automotive Skills Boot Camp**
- **IT Boot Camps: 3D printing with CAD (SaskPolytechnic)**
- **Web Development Camp (U of S)**
- **Game On! (U of S)**
- **Culinary Boot Camp**
- **Baking Boot Camp**
- **Hair and Esthetics Boot Camp**



# cardboard **BOAT RACE** CHALLENGE ❄️

This project assists grade 7/8 teachers in teaching structure and design, science and math in a meaningful way.

- a 10 lessons (Science, Math and PPA curriculum),
- students build a boat out of cardboard, duct tape, and other specific materials; -
- Race in a pool in the afternoon at
- Judges from the Association of Professional Engineers and Geoscientists of Saskatchewan and industry partners





Grade 11 and 12 students interested in a career primarily in the trades participate in a 6-week paid internship over the summer months. Staff includes: job coaches and teacher to facilitate credit program.

Participating students can receive (based on their placement):

- Two or more high school credits (Apprenticeship 20A, 20B, 30A, 30B)  
1 credit per 100 hours
- Assistance in completing the Saskatchewan Youth Apprenticeship Program.
- All safety training needed: Saskatchewan Construction Orientation Training, Fall Protection Awareness Training, Food Safe



**Positions are available in:**

- Welding
- Carpentry
- Dry Walling
- Plumbing
- Masonry
- Flooring
- Steel Fabrication
- Roofing
- Glazing
- Millwork
- Electrical
- Painting
- Professional Cooking
- Mechanic
- Computer Programming
- IT Support
- Web Design
- Automotive Repairs Technician
- Autobody Technician
- Industrial Mechanic



- Shortage of workers trained in computer-based skill sets: software development, testing and integration.
- SaskTech is an organization of over 60 Tech companies
- Shortfall in Saskatchewan is about 300 developer jobs.
- 4-5 new postings a day
- Support student skill development starting from Kindergarten in regards to computational thinking and coding.
- New Robotics and Automation curriculum Grades 11 and 12
- Modules from the new curriculum can be integrated in Grades 7 – 9.



Funded by the Federal Government through the Ministry of Innovation, Science and Economic Development Canada CANCODE funding.

**November 1, 2017 – March 31, 2019**

- \*1,400 educators were inservices primarily from Saskatoon and region along with some other provincial divisions/bands
- \*34,000 students were introduced to robotics and coding from their teachers who were trained along with Robot Parties

Possibility of a continuation of the funding **to March 31, 2021** to continue to inservice educators throughout the province.

**February-March, 2019:** RoboX funding from Innovation Saskatchewan was introduced as a pilot with inservicing northern teachers on the use of the robotics at specific grade levels. As well some kits were purchased for circulation.

**July 25, 2019 - June 30, 2020:** Innovation Saskatchewan renewed the continuation of the RoboX program in northern schools with additional kits purchased and consultant hired for training in Northern Lights School Division and Lac LaRonge Indian Band schools.



### **ROBOT MOUSE CLASSROOM KIT**

#### **K-Grade 2**

15 Robot Mouse

Series of Books for Curricular Use

Book Cards

Mats: Alphabetic, Numeric,  
Currency, Snakes and Ladders,

Curling, Blank Templates

Batteries



### **OZOBOT CLASSROOM KIT**

#### **Grades 3-4**

18 Ozobots

18 Coding Charts

Bowling Pins and Obstacles

Charging Stations

Markers

Reference Manual



### **EDISON CLASSROOM KIT**

#### **Grades 5-6**

15 Edison Robots

8 EdCreate Kits

Compatible Lego and Technics Parts

Flashlights and Remotes

Barcode Mats

Rechargeable Batteries

Instruction Manual



### **ARDUINO CLASSROOM KIT**

#### **Grades 7+**

15 Arduino Starter Kits

15 LilyPads Craft Kits

15 Robots Car Kits

Sensor Pack

E-Textiles/Craft Tool Kit

Rechargeable Batteries

Instruction Manual



### **RASPBERRY PI 3 CLASSROOM KIT**

#### **Grades 10+**

15 Pi3 Kits

15 pi-TopCeed Screens

15 Robotic Learning Kits

15 Keyboards

Sensor Pack

<SaskCode>

For further conversation about  
your sponsorship opportunity,  
please contact:

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[www.saskcode.ca](http://www.saskcode.ca)

- Youth do not know all the possible career pathways there are in Saskatchewan.
- Your future workforce is sitting in a classroom in urban, rural or remote Saskatchewan schools.
- Connecting the two together provides a school-to-work transition into post-secondary and workplace opportunities.



**[www.saskatooniec.ca](http://www.saskatooniec.ca)**

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