



***Connecting Students to their Future***

***A Partnership Focused on Making Career Education and Exploration an Educational Imperative***

**A Joint Nomination by: Greater Saskatoon Catholic Schools, Prairie Spirit School Division, Saskatoon  
Public Schools and Saskatoon Tribal Council**

**for the**

**2019 Premier's Board of Education Award for  
Innovation and Excellence in Education**

**September, 2019**

Board Chairs: Diane Boyko, Sam Dyck, Ray Morrison,

Directors of Education: Greg Chatlain, Lori Jeschke, Barry MacDougall

Saskatoon Tribal Council: Tribal Chief Mark Arcand, Val Harper

## Saskatoon Industry Education Council

For the past two decades, the Saskatoon Industry Education Council (SIEC) has bridged the gap between youth and employers, providing experiential learning and career-development opportunities. As a registered not-for-profit organization, the SIEC works in partnership with three school divisions (Saskatoon Public, Greater Saskatoon Catholic and Prairie Spirit), the Saskatoon Tribal Council, community-based organizations, government agencies, and employers, to help nurture the workforce of tomorrow. In 2018-2019, SIEC connected with more than **29,000** youth, **1,600** educators and career practitioners, and over **2,000** business and post-secondary representatives to co-create 40 programs and events. Over the last five years, more than 75,000 youth took part in SIEC programming. SIEC and their partners help youth find a career that connects their passion and natural talents with current and future workforce needs.

Locally, the SIEC offers a wide variety of programming including Spotlight on Careers, Boot Camps, Summer Youth Internship Program, Connected, Digitized, HealthLink, Cardboard Boat Race Challenge, Newcomer Youth Engagement Program, Power Engineering and SaskCode. Provincially, SIEC publishes a career development magazine, *Relevance*, facilitates a financial literacy initiative, Talk With Our Kids About Money and hosts an annual Contact Conference supporting education in the area of career development.



Over the past year, the SIEC continued to work with CanCode funding from Innovation, Science and Economic Development Canada to support coding and digital skills development for youth. In the 18-month program, SaskCode, provided training to over 1,383 teachers which resulted in giving 34,000 students the opportunity to participate in learning about coding and robotic concepts from kindergarten to Grade 12. During the project, coding and robotics is integrated into a variety of curricula providing hands-on learning experiences for both teachers and students, with the goals of technological skill development and inspiring students to innovate, create, and seize on the opportunities of the modern economy. The SIEC will continue to be funded until March, 2021 and will provide SaskCode programming to other parts of Saskatchewan including the northern and Regina regions, then branching out to other communities. The second successful grant application from Immigration, Refugee and Citizenship Canada, provided support for refugee and immigrant youth as they transition from high school to the workforce. With two classrooms in Saskatoon established to provide 30 youth with programming and support, will continue until March 31, 2025.

The SIEC partnership supports our youth in gaining the knowledge and skills through career exploration opportunities. The SIEC continues to grow and adapt, providing innovative programming that prepares students for their future.

## Program Goals

As outlined in the strategic intent within the Education Sector Strategic Plan, schools across Saskatchewan work to support students in preparing for their future: in education, in employment, in their community and in life. Our partnership with SIEC supports the actualization of this intent. Through innovative programming, students find their passion while engaging in authentic learning experiences that provide them with opportunities for career exploration and, in some cases, credits toward graduation. These learning opportunities support our province, division and school level goals to achieve increased graduation-rate outcomes for all students.

Career-development programming supported by SIEC supports the goals of the Saskatchewan curriculum by building lifelong learners, building a sense of self and community, and building engaged citizens. As students explore various careers, they develop a curiosity about their future, motivating them to identify and further their personal interests. Through the variety of opportunities, students reflect on their work experiences and how those experiences connect them to their community. The knowledge and skills that students gain through hands-on activities provides them the opportunity to engage as citizens, not only through paid work, but also by obtaining transferable skills through volunteer opportunities.



## Board Influence and Participation

Each Board of Education, along with Saskatoon Tribal Council, have made career education and exploration a key aspect to transition students beyond Grade 12 and are invested in the innovative programming provided through the Saskatoon Industry Education Council. Each board has identified the transition to post-secondary and the workplace as a priority and outlined goals that are supported through the partnership with SIEC, including regular reports to their respective boards.

**Greater Saskatoon Catholic Schools** Board of Education has identified the following goal within the priority of Improving Student Learning and Achievement:

- To support transitions for all students, from early learning through to high school graduation and beyond.

**Saskatoon Public Schools** Board of Education has committed to create learning experiences that inspire all students to reach their potential.

- With a vision that all students will be known, valued and believed in, learning opportunities, supports and partnerships will be pursued to help students achieve the four goals of academic excellence, character, engagement and well-being.

**Prairie Spirit School Division** Board of Education has identified the following goals so all Prairie Spirit Graduates:

- Have real choice after high school because they can collaborate, communicate, be creative, solve problems and engage as contributing citizens.
- Are confident to make choices for their future based on the broad areas of knowledge and learning skills they have acquired.

**Saskatoon Tribal Council** has identified the following goal:

- To improve student wellbeing and achievement by increasing the standard of living for families through access to critical social and community programs.

Each year, financial and in-kind contributions are provided to SIEC through Boards of Education to support the career opportunities provided to students. The cost of a full-time coordinator is shared by the three divisions. The coordinator position has been critical in supporting the programming within the schools and designing programming that meets the unique needs of both the students and the various industry and post-secondary partners. Supports from the community include elders, knowledge keepers and trades people who provide additional perspectives, opportunities and ways of knowing that enhance student experience.



SIEC is an excellent example of the power of collaboration among school divisions. By working together and bringing business and industry to the table, we have made a significant positive impact on the lives of hundreds of students. I have had the opportunity to attend several events organized by SIEC. They not only create opportunities to thank our business and industry partners, but they are always focused on the efforts and success of students, which is the real reason we do this work.

—Ray Morrison, Saskatoon Public Schools Board of Education Chair

Programming provided to students during the school day allows for teachers within aligned subject areas and career counsellors within the schools to chaperone and learn alongside the students about the various career options, skills and knowledge required during hands-on career exploration opportunities. Teachers are then able to share how learning in the classroom applies to future career opportunities as they provide authentic learning experiences for students.

Boards, administrators, teachers and students realize the benefits of a partnership that provides engaging and authentic learning experiences for students. SIEC is embedded in the work we are called to do. The partnership integrates SIEC as part of the school divisions, and therefore, provides access to in-kind supports, including access to office, programming space, technology and human resource support.

## **Innovations**

Career readiness is emerging as the new frontier for education. Career-ready students are prepared for success in life after high school, whether that includes post-secondary education or modern jobs and career paths. Increasingly, stakeholders are recognizing that the purpose of, and success in, publicly funded K-12 education goes beyond test scores or graduation rates. Defining the success of secondary school must include building the knowledge, skills, and attitudes (global competencies) that students actually need to flourish as mature citizens. A high school diploma, in this view, should certify readiness

for post-graduation jobs and learning experiences, rather than merely mark the completion of secondary school.

Increased focus on career readiness is triggering a paradigm shift in education. Personalized, project-based, work-based, experiential learning helps students explore and test career pathways at all levels while learning academic subjects in real-life scenarios. Rather than forcing educators to choose between preparing students academically or preparing them for life beyond formal education, this model underscores the relevance of academic learning, increases student engagement personalization of learning. Compelling benefits will accrue for all jurisdictions from pan-Canadian collaboration and partnership on career readiness initiatives that benefit students and employers in all regions. Proven models of personalized, project-based, real-world learning exist that can provide starting points for world-leading career readiness innovations in Canada.

SIEC continues to engage its partners in designing and delivering innovative programming for students to meet the future needs of employers. They currently support divisions by providing a variety of co-constructed programming including:

- **Cardboard Boat Races** - This highly popular project helps Grade 7 and 8 teachers share the principles of structure, design, math and science in a fun and meaningful way as students design, build, and then race cardboard boats.
- **Skills Boot Camps** - Students in Grades 10 through 12 have the opportunity to gain hands-on experience and career training in the automotive, culinary and IT sectors by participating in a boot camp.
- **Spotlight on Careers** - Students in Grades 11 and 12 experience industry and educational opportunities in a field in which they have interest, visiting job sites and post-secondary facilities. Students have the opportunity to learn about 80 careers through 23 spotlight sessions.
- **Health Link** - In partnership with the Saskatchewan Health Authority (previously the Saskatoon Health Region), students in Grades 10 and 11 explore opportunities in the health-care field through panel discussions and breakout sessions with vocational representatives from nursing, therapies, mental health and addictions, medical diagnostics, and medicine.
- **Medical Diagnostics Exploration** - Hosted by the Saskatchewan Health Authority (previously the Saskatoon Health Region) and the Saskatchewan Polytechnic Medical Diagnostics Department, students with an interest in medical diagnostic careers learn about the wide variety of health-care professions and tour Saskatchewan Polytechnic training facilities.
- **Connected** - This mentorship event links young female students from Grades 10 through 12 with female mentors from a vast spectrum of career backgrounds who are willing to share their career journey. Students pursuing all post-secondary pathways: work, university, college or apprenticeship are welcome to participate. Connected programming invites women mentors from a variety of careers to share their career journey, both challenges and successes.



This has been typical in recent history that educators and industry have a disconnect. The understanding of each group's roadblocks, needs, and wants is missed and often solutions are purely reactive and not proactive. The SIEC creates the forum AND programs for mutual understanding and cooperation.

—Jason Hydromako, Weldfab Ltd.

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- **MANUQUEST** - A full-day event providing students with a tour of a manufacturing plant, career exploration opportunities and a wide variety of hands-on activities relating to manufacturing.
- **Talk with Our Kids About Money (TWOKAM)** - This financial literacy program is a series of lessons and activities, all tied to curriculum, introducing financial literacy to Grade 7 students and parents. This program is coordinated nationally by the Canadian Foundation for Economic Education and provincially by SIEC. TWOKAM culminates in a Talk with Our Kids about Money Day event held nationally on the third Wednesday in April.
- **Digitized** - Students in Grades 11 and 12 explore careers in information technology through hands-on training seminars and workshops with the University of Saskatchewan Department of Computer Science.
- **Summer Youth Internship Program (SYIP)** - Grade 11 and 12 students get to experience six weeks of hands-on employment in the construction, manufacturing, information and communication technology, automotive, and tourism sectors. These students are compensated for their labour and receive all relevant safety training and apprenticeship credit hours which can be used to meet graduation requirements.
- **Safety@Work** - In partnership with various workplace safety associations, SIEC offers safety training certification to youth prior to entering the workplace. This includes construction, tourism and health-care sector safety training.
- **Contact Conference** - A two-day conference for career practitioners, educators, school counsellors and people in human resources to learn about labour-market trends, acquire new career-development tools and resources, and hear from world-renowned experts.  
[www.contactconference.ca](http://www.contactconference.ca)
- **Relevance Magazine** - A yearly publication that showcases the career journeys of young people in Saskatchewan. It also includes relevant career articles, post-secondary training opportunities and a job chart that outlines careers and income prospects. 50,000 copies are distributed to provincial and federal schools, post-secondary schools, community based organizations and employment offices across Saskatchewan. It is available in both English and French. [www.saskatooniec.ca/relevance](http://www.saskatooniec.ca/relevance)



- **SaskCode** - SaskCode is an integrated technology program that introduces coding and computational thinking at a wide range of grade levels (kindergarten to Grade 12) using age-appropriate



SaskCode makes the concept of computer coding fun and relevant for all ages.

technologies. Activities are linked to existing mathematics, science, and other curricula in Saskatchewan. To accomplish this goal, we work with teachers to provide professional development to equip them with the pedagogy and technological skills they need to engage their students in their learning, developing a culture around digital literacy.

- **Newcomer Youth Engagement Program (NYEP)**

- Refugee and immigrant youth aged 17 to 21 take part in this school-within-a-school program at E.D. Feehan Catholic High School and Walter Murray Collegiate. The focus of the program is language development, as well as life and work skills. The NYEP runs Monday to Friday and follows the school-year calendar.

- **Power Engineering Program** - In partnership with Prairie South School Division, students enrol in online Power Engineering 20L and Power Engineering 30L courses. Students also receive hands-on training in the SaskPower mobile simulation lab and by job shadowing at the SaskPower Queen Elizabeth Power Plant. They are then eligible to write the TSASK Power Engineering Class 5 exam, providing students an opportunity to obtain credits for graduation and work towards their journeyman in power engineering.
- **Skills Camps (Try a Trade)** - These one day events provide opportunities for Grade 2 to 5 students to have hands-on experience in a variety of trades in all STC member First Nations schools.
- **Money Sense: Financial Literacy in the Classroom.** Resources are developed to support the new Personal Finance curriculum that has the opportunity for Grade 7-9 integration into PAA programming.

Programming continues to evolve and adapt based on feedback from each stakeholder and the needs of the current workforce.



Number one is the partnership. It's agile and flexible. It finds all the needs and brings everyone together for mutual benefit. The SIEC creates a sustainable and effective structure. All we have to do is spread the word to students, and then assist at events as learners ourselves.

—Jon Yellowlees, Superintendent with Prairie Spirit School Division

## Sustainability

The sustainability and growth of SIEC can be attributed to the many ways that the organization works to gather the voice of their stakeholders to inform, adapt and innovate the programming provided. The growth of the board, SIEC staff, partnerships and programming are a direct result of the responsive and exemplary career exploration opportunities that this partnership provides for students in Saskatoon and surrounding areas.

A strong and visionary board of directors with representatives from business, secondary and post-secondary education, governments, and industry associations governs the SIEC. Committees with similar representation imagine and help implement opportunities for partnership-based career exploration and development. The board currently has 22 members from the three school divisions, Saskatoon Tribal Council, government ministries (Ministry of Immigration and Career Training), industry partners (information and communication technology, tourism and hospitality, mining, manufacturing,

construction, insurance and banking and health care), the Saskatchewan Construction Safety Association, Saskatchewan Apprenticeship and Trade Commission, Saskatchewan Indian Institute of Technology and Saskatchewan Polytechnic.

SIEC continues to see growth in the variety and amount of programming that is accessed by students. In 2002, SIEC facilitated two programs. Over the years, that has grown to over 40 programs through additional support from the divisions, industry and business partners and post-secondary programs, the government funding from both provincial (Ministry of Immigration and Career Training and Innovation Saskatchewan) and the federal governments (Innovation, Science and Economic Development and Immigration, Refugee Citizenship Canada).

A lean but diverse and powerful staff of permanent and contract employees led by executive director Janet Uchacz-Hart, a former teacher and career facilitator, build and administer partnerships and career exploration activities. SIEC staff compliment has grown from the singular position of executive director in 2002 to a contingent of 13 full-time staff: executive director; three program coordinators (including two seconded educators); financial and office manager as the core staff. In the SaskCode program, there is are two seconded educators and a technician. Within the Newcomer Youth Engagement program there is a seconded coordinator and two educators along with two support workers

The sustainability of this partnership and its programming can be summarized by the commitment of the organizations that work together to provide second-to-none career development opportunities for students within our schools.

## **Cost-Benefit Analysis**

SIEC supports students to become career-ready by showcasing career pathways and developing skills and knowledge beyond the classroom by making connections to business and industry sectors and providing unique programming combining post-secondary training, mentorship and employment to help youth realize their preferred future.

Over the past 20 years, the success of SIEC has been founded in unique partnerships with industry, post-secondary institutions, provincial and federal government ministries and K-12 educational authorities. This includes funding specific projects through in-kind contributions of space and human resources, as well as sponsorship and contract dollars.

SIEC programs are on an application basis and are in high demand within schools. Students must outline their rationale for wanting to participate in the program. Typically, there are two or three times the number of applications than available spots in all programs. For example, this past year the Summer Youth Internship Program had 200 student applications for 40 positions. As many of the programs are for an individual, it should be noted that attendance is over 90 per cent for those accepted applicants. Most of the programs have students who have to find transportation to the event site.

## **Client Support for the Innovation**

Teachers, parents, students, schools, boards and sector partners have been actively engaged in the design, development and implementation as partners in SIEC programming. As the various stakeholders engage with the programming, they are provided opportunities for feedback that is used to enhance and enrich offerings in subsequent years. Students, educators and community partners attending SIEC events complete an evaluation providing an open and honest feedback system to direct current and future programming.





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Our partnership with SIEC is successful because of exceptional programming for students. The level of engagement with stakeholders and the responsiveness of SIEC to ensure programming meets the needs for all those involved are what make them so popular and successful.

—Greg Chatlain, Director of Education Greater Saskatoon Catholic Schools

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## Partnerships

SIEC has built a culture of community through shared responsibility over the years. This has been made possible through a growing list of participating youth and collaborators from education, industry, and government who contribute to the development of youth through investment of time, talent, goods, services and finances.

The organizations below are key partners with the SIEC, facilitating connections and partnerships within their sectors and playing a key role in SIEC programming.

Association of Professional Engineers and Geoscientists of Saskatchewan • City of Saskatoon  
Gabriel Dumont Technical Institute • Government of Canada • Greater Saskatoon Catholic Schools  
Greater Saskatoon Chamber of Commerce • Innovation Saskatchewan  
Ministry of Education • Ministry of the Immigration and Career Training  
Prairie Spirit School Division • Radius Community Centre  
Saskatchewan Apprenticeship and Trade Certification Commission  
Saskatchewan Chamber of Commerce • Saskatchewan Construction Association  
Saskatchewan Construction Safety Association • Saskatchewan Health Authority  
Saskatchewan Indian Institute of Technologies • Saskatchewan Mining Association  
Saskatchewan Polytechnic • Saskatchewan Tourism Education Council  
Saskatoon Construction Association • Saskatoon Public Schools  
Saskatoon Regional Economic Development Authority • Saskatoon Tribal Council  
SaskTech Working Group • Skills Canada Saskatchewan • Skills Canada  
University of Saskatchewan • WorkSafe Saskatchewan



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As an act of reconciliation, the Saskatoon Tribal Council works toward building relationships that supports each other's mandates to secure a high quality of life for Indigenous youth and their families.

—Tribal Chief Mark Arcand, Saskatoon Tribal Council

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## Evidence of Improved Student Achievement

The impact that SIEC has on student achievement can be measured through numbers of students accessing programming, growth in the variety and number of programs and credits achieved. An example of this success is through the Summer Youth Internship Program (SYIP) whereby over 800 students and 200 employers join together to provide apprenticeship opportunities and immersion in the workplace. Many of these students remain engaged in the trade or industry of their choice. Built into this program is the opportunity for apprenticeship credits and completion of the Saskatchewan Youth Apprenticeship (SYA) Program certificate.

Over the past five years, 320 students have completed SYIP programming, providing students 235 credits towards graduation. Students have received 175 job offers, and 125 students have completed the SYA certificate thanks to the support of 209 businesses.



The Summer Youth Internship Program was an amazing opportunity that has impacted my life. I didn't know what I wanted to do, and now I know. The SIEC helps our future—mine, Saskatoon's and Saskatchewan's.

—Madison Fernquist, Student

The immeasurable evidence of success includes the qualitative feedback from students, staff and partners. Students who participate in SIEC programming are provided opportunities to explore their interests and develop career-ready skills and knowledge. At times, students are affirmed by their selection and engagement within programming. Other times, they are surprised by the realization that what they explored and were previously interested in may not be for them. In both scenarios, the goals of career exploration were achieved as students are learning more about themselves and their own personal journey to happiness and success in life.



I attended two Health Spotlights. It is difficult to job shadow health-care professionals, so these events are especially helpful for students interested in the health-care field. I definitely advise students to take advantage of this great opportunity that the SIEC provides.

—Tiffany Wharton, Student

## Conclusion

SIEC supports a valued partnership connecting elementary and secondary students with post-secondary opportunities, modern job experiences and career path exploration. The vast partnerships fostered through SIEC provide a variety of authentic learning programs, supporting students in finding themselves while developing the skills and knowledge to be successful in life—both in and out of a formal school setting. SIEC provides systemic innovation as they work to guide each student within their programs to find personal pathways to happiness and success in life beyond school.

## Appendix 1

### SIEC Programming Statistics September 2018 – August 2019

Spotlight Event	# APPLIED	# ACCEPTED	# ATTENDED	Business and Post-Secondary Partners	No. of Educators
Spotlight on Health and Science & Technology	294	294	220 + 100 online viewers*	U of S College of Medicine, VIDO- InterVac, Gairdner Foundation <i>Partners: 20</i>	15
Spotlight on Aviation, Aircraft Maintenance Engineer and Related Careers	30	23	15	NavCanada, Transwest/WestWind, Saskatchewan Polytechnic, SIIT, Mitchinson's Flight Centre <i>Partners: 24</i>	1
Spotlight on Mechanics	27	20	12	Saskatchewan Polytechnic, Parr Autobody, Cervus Peterbilt <i>Partners: 15</i>	1
Spotlight on Broadcasting, Media and Technology	26	17	11	RAIS Saskatoon, Saskatoon Media Group, CTV Saskatoon, Western Academy of Broadcasting College <i>Partners: 12</i>	2
Spotlight on Computer Science and Technologies	254	254	216	Saskatchewan Polytechnic, University of Saskatchewan, Innovation Place, Mentor, Coconut Software, ESTI, Vendasta, TinyEye, Pivot, ZU, Co.Labs, Innovation Saskatchewan <i>Partners: 28</i>	14
Spotlight on Firefighter and Paramedics	47	30	30	Saskatchewan Polytechnic, Medavie Health Services West (Troy Davies), STARS Air Ambulance, Warman Fire Rescue <i>Partners: 14</i>	1
Spotlight on Engineering	36	23	17	Saskatchewan Polytechnic, Bill Lewis (Tomorrow Today), University of Saskatchewan, RMD Engineering, Graham Construction <i>Partners: 10</i>	1
Spotlight on Lab & Imaging	43	38	36	Saskatchewan Polytechnic, Saskatchewan Health Authority <i>Partners: 4</i>	2
Spotlight on Nursing	67	30	25	Saskatchewan Polytechnic, University of Saskatchewan, Saskatchewan Health Authority <i>Partners: 20</i>	1
Spotlight on Nursing Panel	113	113	80	Saskatchewan Health Authority, University of Saskatchewan, University of Regina, Saskatchewan Polytechnic <i>Partners: 15</i>	5
Spotlight on Therapies	40	24	18	Saskatchewan Health Authority (Parkridge Centre), Saskatchewan Polytechnic, McKay Career Training, Leanne Hoeft (Music Therapy), University of Saskatchewan <i>Partners: 15</i>	2

<b>Spotlight on Law Enforcement</b>	46	25	21	Saskatoon Police Services, RCMP <i>Partner: 5</i>	1
<b>Spotlight on Hairstyling &amp; Esthetics</b>	26	22	17	Saskatchewan Polytechnic, MC College, Manestreet Hair, Nove Salon <i>Partners: 4</i>	0
<b>Spotlight on Veterinary Medicine and Related Careers</b>	34	25	18	Saskatchewan Polytechnic, Western College of Veterinary Medicine, Central Animal Hospital <i>Partners: 8</i>	2
<b>Spotlight on Pharmacy and Pharmacy Tech</b>	57	25	25	Saskatchewan Polytechnic, University of Saskatchewan, Saskatchewan Health Authority <i>Partners: 16</i>	2
<b>Spotlight on Culinary Arts, Hotel &amp; Restaurant Management, Food &amp; Nutrition</b>	18	17	16	Odd Couple Restaurant, Hampton Inn & Suites, Saskatchewan Polytechnic (3 programs) <i>Partners: 6</i>	1
<b>Spotlight on Mental Health &amp; Addictions Counselling</b>	47	25	22	SIIT, Saskatchewan Health Authority (Calder Centre), University of Regina <i>Partners: 16</i>	1
<b>Spotlight on Dentistry and Related Careers</b>	45	23	20	Saskatchewan Polytechnic, Saskatchewan Dental Hygienists Association, University of Saskatchewan, Hallam Dental Arts <i>Partners: 11</i>	1
<b>Spotlight on Lab &amp; Imaging</b>	43	40	29	Saskatchewan Polytechnic, Saskatchewan Health Authority <i>Partners: 4</i>	2
<b>Spotlight on Construction</b>	109	109	103	Saskatchewan Polytechnic, Saskatoon Construction Association, PCL Construction <i>Partners: 12</i>	20
<b>Boot Camps</b>					
<b>Culinary Boot Camp (Italian)</b>	38	12	11	Saskatchewan Polytechnic <i>Partners: 5</i>	1
<b>3D Printing Boot Camp</b>	18	14	14	Saskatchewan Polytechnic <i>Partners: 1</i>	1
<b>Hairstyling &amp; Esthetics Boot Camp</b>	34	12	12	Manestreet Hair, MC College <i>Partners: 7</i>	3
<b>Culinary Boot Camp</b>	53	27	21	Saskatchewan Polytechnic <i>Partners: 4</i>	
<b>Automotive Boot Camp</b>	35	16	16	Saskatoon Public Schools <i>Partners: 1</i>	1
<b>Game On! Bootcamp</b>	26	24	22	U of S, ESTI Consulting <i>Partners: 2</i>	2
<b>Skills Camp – Saskatoon Tribal Council</b>	225	225	225	Nutrien, Saskatoon Tribal Council <i>Partners: 5</i>	3

Other Programming	# APPLIED	# ACCEPTED	# ATTENDED	Business and Educational Partners	No. of Volunteers/ Chaperones
<b>Connected</b>	210	210	170	85 Mentors from various sectors in the community, Gordie Howe Sports Center, Nutrien, Saskatchewan Workers Compensation Board, Affinity Credit Union, Saskatoon Police, Federated Cooperatives, Northern Medical Services, Saskatchewan Chamber of Commerce, Saskatchewan Indigenous Mentorship Network, YWCA Saskatoon, RBC, Sheraton Cavalier <i>Partners: 100</i>	20
<b>ManuQuest</b>	160	160	120	Saskatchewan Polytechnic, Saskatchewan Apprenticeship Trades Certification Commission, Saskatchewan Workers Compensation Board, Brandt Manufacturing, CNH, Crestline Coach, Croatia Industries, DynaIndustrial, Industrial Machine, SED Systems <i>Partners: 50</i>	15
<b>HealthLink</b>	230	200	180	Saskatchewan Health Authority; University of Saskatchewan; Sask Polytech, University of Regina; Carlton Trail; Saskatchewan Cancer Agency <i>Partners: 45</i>	10
<b>Digitized</b>	370	370	325	U of S Computer Science Department, CoLabs, Innovation Saskatchewan <i>Partners: 10</i>	40
<b>Cardboard Boat Race Challenge</b>	2,855	2,855	2,855	APEGS, SMA, Engineering Firms, SIEC Board Members, Public, Catholic, Prairie Spirit and Saskatoon Tribal Council, Potash Corp, Saskatoon Health Region SaskPolytechnic staff + Judges: 184	160
<b>Summer Youth Internship Program</b>	118	42	42	30 Companies with approx. 4 people per company that assist with interviews, mentorship, supervision, reporting = 108	40
<b>Power Engineering 20L and 30L</b>	9	9	9	SaskPower (simulation lab and Queen Elizabeth Power Plant (4)	1
<b>Contact Conference</b>	225	225	225	Sponsors include Affinity, City of Saskatoon and the Travelodge	
<b>Talk With Our Kids About Money</b>	695	695	695	Judges for Money Fairs = 20	110
<b>SaskCode Programs</b>	23,900	23,900	23,900	Industry partners with programming = 28 tech companies	1163

Newcomer Youth Engagement Program	30	30	30	YMCA, Food Bank, Destination Tourism, SPCA, Travelodge, Delta Bessborough, Radisson Hotel, City of Saskatoon = 20	
TOTALS		29,978	29,296	2,041	1,653



Appendix 2

Samples of promotional material for various programs



**SIEC**  
Saskatoon Industry  
Education Council

A community of shared responsibility, preparing youth for quality careers.



The Summer Youth Internship Program was an amazing opportunity that has impacted my life. I didn't know what I wanted to do, and now I know. The SIEC helps our future — mine, Saskatoon's and Saskatchewan's.

Madison Fernquist, Student

Janet Uchacz-Hart, Executive Director  
Saskatoon Industry-Education Council, 441 Witney Avenue North, Saskatoon SK S7L 3M6  
TELEPHONE 1.306.683.7774 // EMAIL [Janet@saskatooniec.ca](mailto:Janet@saskatooniec.ca)  
[www.saskatooniec.ca](http://www.saskatooniec.ca)



**SUMMER YOUTH INTERNSHIP PROGRAM**  
Grade 11 and 12 students experience six weeks of hands-on employment in the construction, manufacturing, information and communication technology, automotive, and tourism sectors. These students are compensated for their labour and receive all relevant safety training and apprenticeship credit hours where applicable.



**SAFETY @ WORK**  
In partnership with various workplace safety associations, the SIEC offers safety training certification to youth prior to entering the workplace. This includes construction, tourism, and healthcare sector safety training.



**CONTACT CONFERENCE**  
A two-day conference for career practitioners, educators, school counsellors, and people in human resources to learn about labour market trends, acquire new career development tools and resources, and hear from world-renowned experts. [www.contactconference.ca](http://www.contactconference.ca)



**RELEVANCE MAGAZINE**  
A yearly publication that showcases the career journeys of young people in the province of Saskatchewan. It also includes relevant career articles, post-secondary training opportunities, and a job chart that outlines careers and income prospects. 40,000 copies are distributed to provincial and band schools, post-secondary schools, community based organizations, and employment offices across Saskatchewan. Digital copies can be found online at [www.saskatooniec.ca](http://www.saskatooniec.ca)



**SASKCODE**  
SaskCode is an integrated technology program that introduces coding and computational thinking at a wide range of grade levels (K-12) using age-appropriate technologies. Activities are linked to existing mathematics, science, and other curricula in Saskatchewan. Teachers are provided professional development to equip them with the pedagogy and technological skills they need to engage their students in their learning, developing a culture around digital literacy. [www.saskcode.ca](http://www.saskcode.ca)



**NEWCOMER YOUTH ENGAGEMENT PROGRAM**  
Refugee and immigrant youth aged 17 to 21 take part in this school within a school program at E.D. Freeman Catholic High School and at Walter Murray Collegiate. The focus of the program is language development, as well as life and work skills. The NYEP runs Monday to Friday and follows the school year calendar.



**POWER ENGINEERING PROGRAM**  
In partnership with Prairie South School Division, students enrol in their online Power Engineering 20L and Power Engineering 30L courses. Students receive hands-on training in the SaskPower mobile simulation lab as well as job shadow opportunities at the SaskPower Queen Elizabeth Power Plant. They are then eligible to write the TSASK Power Engineering Class 5 exam.

The SIEC was quite helpful in pointing my boys in the right direction. It was nice for them to get guidance from someone other than parents. Russell Karabachuk, Parent

Number one is the partnership. It's agile and flexible. It finds all the needs and brings everyone together for mutual benefit. The SIEC creates a sustainable and effective structure. All we have to do is spread the word to students, and then assist at events as learners ourselves. Jon Yellowfees, Superintendent with Prairie Spirit School Division

The Saskatoon Industry-Education Council (SIEC) is a bridge between Saskatchewan's career opportunities and Saskatoon area youth. Through a partnership among business, secondary and post-secondary schools, unique hands-on career exploration events and programs are designed and delivered to students, helping them find a career that connects their passion and natural talents with current and future workforce needs.

Last year, the SEC worked with **20,000** youth, **1,000** educators and career practitioners, and over **900** business and post-secondary representatives to co-create **40** programs and events. Over the last five years, more than **60,000** youth took part in SEC programs and events.

To achieve its vision of a community of shared responsibility, preparing youth for quality careers, the SEC plays the role of career information conduit between students and employers.

### OUR TEAM

The SEC is governed by a visionary board of directors composed of representatives from business, secondary and post-secondary education, government, and industry associations.

Community partnerships and career exploration activities are built and administered by a diverse staff of permanent and contract employees led by Executive Director Janet Uchacz-Hart, a former teacher and career facilitator.

### OUR COMMUNITY

Our community of shared responsibility is made possible through a growing list of participating youth and collaborators from education, industry, and government who contribute to SEC capacity with investments of time, talent, goods, services and finances.

The organizations below are key partners with the SEC, facilitating connections and partnerships within their sectors:

Association of Professional Engineers and Geoscientists of Saskatchewan	Saskatchewan Construction Safety Association
City of Saskatoon	Saskatchewan Health Authority
Gabriel Dumont Technical Institute	Saskatchewan Indian Institute of Technologies
Government of Canada	Saskatchewan Mining Association
Greater Saskatoon Catholic Schools	Saskatchewan Polytechnic
Greater Saskatoon Chamber of Commerce	Saskatchewan Tourism Education Council
Ministry of Education	Saskatoon Construction Association
Ministry of the Immigration and Career Training	Saskatoon Public Schools
Prairie Spirit School Division	Saskatoon Regional Economic Development Authority
Radius Community Centre	Saskatoon Tribal Council
Saskatchewan Apprenticeship and Trade Certification Commission	SaskTech Working Group
Saskatchewan Chamber of Commerce	Skills Canada Saskatchewan
Saskatchewan Construction Association	University of Saskatchewan
	WorkSafe Saskatchewan

It has been typical in recent history that educators and industry have a disconnect. The understanding of each group's roadblocks, needs, and wants is missed and often solutions are purely reactive and not proactive. The SEC creates the forum AND programs for mutual understanding and cooperation. **Jason Hydornako, Waldrab Ltd.**

The partnership with the SEC is ideal. They have the students. We prequalify their interest as the next generation of health care workers. It's win-win-win. **Alysha Robb, Saskatchewan Health Authority**

## EVENTS & PROGRAMS



### CARDBOARD BOAT RACE CHALLENGE

This highly popular project helps grade 7 and 8 teachers share the principles of structure, design, math and science in a fun and meaningful way as students design, build, and then race cardboard boats.



### SKILLS BOOT CAMPS

Students in grades 10 through 12 have the opportunity to gain hands-on skill development and career training while working alongside industry professionals. Recent boot camps include: automotive, culinary, web development, 3D printing, and video game design.



### SPOTLIGHT ON CAREERS

Students in grades 11 and 12 experience industry and educational opportunities in a field of interest, visiting job sites and post-secondary facilities. Twenty Spotlights highlight over 80 career pathways.



### HEALTHLINK

In partnership with the Saskatchewan Health Authority, students in grades 10 and 11 explore opportunities in the health care field through panel discussions and breakout sessions with vocational representatives from nursing, therapies, mental health and addictions, medical diagnostics, and medicine.



### CONNECTED

This mentorship event links young female students from grades 10 through 12 with female mentors from a vast spectrum of career backgrounds who are willing to share their career journey. Students pursuing all post-secondary pathways—work, university, college or apprenticeship—are welcome to participate.



### MANUQUEST

MANUQUEST is a full-day event, providing students with a tour of a manufacturing plant, career exploration opportunities, and a wide variety of hands-on activities relating to manufacturing.



### TALK WITH OUR KIDS ABOUT MONEY

This financial literacy program is a series of lessons and activities, all tied to curriculum, introducing financial literacy to grade seven and eight students and their parents. This program is coordinated nationally by the Canadian Foundation for Economic Education and provincially by the SEC. TWOKAM culminates in a "Talk with Our Kids about Money Day" event, held nationally, on the third Wednesday in April.



### DIGITIZED

Students in grades 11 and 12 explore careers in information technology through hands-on training, seminars, and workshops with the University of Saskatchewan Computer Science Department and international industry experts.

I attended two Health Spotlights. It is difficult to job shadow health care professionals, so these events are especially helpful for students interested in the health care field. I definitely as a student is to take advantage of this great opportunity that the SEC provides. **Tiffany Wharton, Student**

As a career facilitator, I try to get as many students involved in as many events as possible. The students are blown away by the experiences. **Bailey Blamph, Educator**

# The Saskatoon Industry-Education Council (SIEC) is a bridge between Saskatchewan's career opportunities and Saskatoon and area youth.

The SIEC partners with Saskatoon Public Schools, Greater Saskatoon Catholic Schools, Prairie Spirit School Division and the Saskatoon Tribal Council, which includes 54,367 youth in 111 elementary, 35 K-12 and 18 high schools. Our goal, in the next 13 months, is providing training and professional development to 750 teachers influencing over 15,000 students.

## CLASSROOM KITS INCLUDE:



### 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 a conversation about how  
you can be involved please  
contact:

Janet Uchacz-Hart  
Executive Director  
Saskatoon Industry-Education  
Council

1.306.683.7774

janet@saskatooniec.ca

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

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SCHOOLS



Government  
of  
Saskatchewan





# CONNECTED

Young Women  
Exploring Careers

“Mentoring is a brain to pick, an ear to listen, and a push in the right direction.” ~John C. Crosby

For more information visit [www.saskatooniec.ca](http://www.saskatooniec.ca)  
or see your school counsellor or career facilitator

**APPLICATION DEADLINE WEDNESDAY, OCTOBER 24, 2018**

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**WEDNESDAY, NOVEMBER 7, 2018**

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