Keynote Speakers
Jennifer Casa-Todd and Brian Aspinall

MAY 6-7, 2019
DELTA HOTELS SASKATOON DOWNTOWN
SASKATOON, SASKATCHEWAN
Platinum Exhibitors

SaskTel | Business Solutions |
Phidgets

Evolution AV

DELL EMC | Intel

SMART

Government of Saskatchewan
Ministry of Education

AVI-SPL

Blackboard
Conference Overview

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This event is organized by the Saskatchewan Professional Development Unit.

#ITSummitSK
Saskatchewan IT Summit Planning Committee

Elgin Bunston
Ministry of Education

Evan Cole
Saskatoon Public Schools

Shawn Kostiuk
Good Spirit School Division

Myrna Martyniuk
Ministry of Education

Michelle Naidu
Saskatchewan Professional Development Unit

Patrick Nikulak
Horizon School Division

Amy Orth
Prairie Spirit School Division

Scott St. Pierre
Saskatoon Public Schools

Genna Rodriguez
Regina Catholic School Division

Dean Shareski
Discovery Canada

Jennifer Stewart-Mitchell
Regina Catholic School Division

Jim Swan
Horizon School Division

Pam Driedger
Saskatchewan Professional Development Unit
## Agenda

### May 6
- **8:00 – 8:45 a.m.** Registration and continental breakfast
- **8:45 – 10:00 a.m.** Keynote Speaker: Brian Aspinall – Code Breaker
- **10:00 – 10:20 a.m.** Break
- **10:20 a.m. – 12:30 p.m.** Concurrent sessions
- **12:30 – 1:50 p.m.** Lunch
- **1:50 – 4:00 p.m.** Concurrent sessions

### May 7
- **8:00 – 8:45 a.m.** Registration and hot breakfast
- **8:45 – 9:45 a.m.** Keynote Speaker: Jennifer Casa-Todd – Empowering Students to be Digital Leaders
- **9:45 – 10:05 a.m.** Break
- **10:05 a.m. – 12:15 p.m.** Concurrent sessions
- **12:15 – 1:15 p.m.** Lunch
- **1:15 – 2:15 p.m.** Concurrent sessions
- **2:30 – 3:30 p.m.** Closing plenary
### Session Schedule and Room Assignments

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<td>Giving Your Students a Voice: Online Teaching Tools to Help You to Help Your Students Address Prejudice, Human Rights and Social Justice Issues Larry Mikulcik C, CN, TL</td>
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<td>Creating a Multi-Camera Studio in Your Classroom Scott St. Pierre C, CN, TL</td>
<td>Digital Storytelling Jennifer Casa-Todd C, CN, L, TL</td>
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<td>Utilizing Collaborative Tools to Co-Construct Lessons and Understandings Patrick Nikulak C, CN, TL, L</td>
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<td>2:30 – 3:30 p.m.</td>
<td>The State of STEM Education in Saskatchewan</td>
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**Florence**

1. **Technology Supported Teaching Tools With Blackboard Learn**
   - Elgin Bunston
   - C, CN, L, TL

2. **Common Sense Tips and Tricks in Moodle**
   - Amy Sanville
   - C, CN, L, TL

3. **Developing Supports for Blended and Distance Learning Teachers in Saskatchewan: A Facilitated Dialogue**
   - Randy LaBonte
   - C, CN, L, TL, Tech

4. **Canadian E-Learning Roundup: Program Spotlights and Research of Models of Online and Blended Learning From Across Canada**
   - Randy LaBonte
   - C, CN, L

5. **Blackboard Learn as a Vehicle to Support Struggling Learners**
   - Dan Clarke, Sherry Vetter
   - C, Tech

6. **A Roundtable Discussion on the Working Conditions of Online Teachers**
   - Jane Macleod
   - C, L

**Naples (TECH Stream)**

1. **Data in a K-12 Environment: Performance, Protection and Risk Management**
   - Sandra Climenhaga
   - C, CN, L, Tech

2. **Strengthening Cybersecurity: Saskatchewan Ministry of Education and CIRA Partner to Protect K-12, Libraries and Colleges**
   - Andrew Fraser
   - C, CN, L, TL, Tech

3. **Technology Roundtable**
   - Myrna Martyniuk, Ron Lawson, Jason Caswell, Cory Teale
   - Tech

4. **SRNET Update**
   - Neil McClughan
   - Tech

5. **Virtual Private LAN Service (VPLS)**
   - Shaun Antosh, Ron Lawson
   - Tech

6. **A Roundtable Discussion on the Working Conditions of Online Teachers**
   - Charlotte Raine, Elgin Bunston
   - C, TL

**Venice**

1. **Digital Forensics**
   - Rick Lee
   - L, CN, Tech

2. **Digital Tools to Support the 1:1 Classroom**
   - Katina Papulkas
   - C, CN, L, TL

3. **Designing Optimal Listening Spaces for Learning**
   - John Zacaruk
   - C, CN, L, TL

4. **Technology Innovations in the Classroom and Beyond!**
   - Collin Midwood, Chris Germain, Laura James
   - C, CN, L, Tech

5. **Digital Forensics**
   - Rick Lee
   - L, CN, Tech

6. **Transform Lessons into Learning Experiencing**
   - Henning Moe, Jody Bean
   - C, TL

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**C, CN, L, TL, TECH**

- **C** – Classroom
- **CN** – Consultant
- **L** – Leadership
- **TL** – Teacher-Librarians
- **TECH** – Technical Support Personnel
Delta Hotels Saskatoon Downtown Floor Plan

- **Main Level**
- **Convention Level**
Keynote Speakers

- **Brian Aspinall**
  May 6 | 8:45 – 10:00 a.m.
  **Code Breaker**

  Twenty-first century learning requires students to create, collaborate and think critically. Progress “STEMs” directly from immediate feedback and a personalized learning platform. Coding forces students to problem solve, make mistakes and overcome barriers because programs can only run if written correctly. In this session, teachers will learn the basics of block-based coding and how to make use of mathematical principles to create content of and for learning.

  In this session, participants will learn about the history and pedagogy of computer science, its importance for the future as well as how to integrate it into existing curricula. With a focus on 21st century competencies, participants will explore assessment and evaluation while engaging in the process of learning.

- **Jennifer Casa-Todd**
  May 7 | 8:45 – 9:45 a.m.
  **Empowering Students to be Digital Leaders**

  Jennifer Casa-Todd will inspire you to think differently about the role of social media in our classrooms and in our schools. Jennifer Casa-Todd highlights student digital leaders who are using technology and social media to learn and share learning, address social inequality and be a more positive influence in the lives of others. She will talk about why digital leadership is important, what it looks like and how we can begin to empower our students to become digital leaders when they are young enough for it to make a difference.

  Let’s stop focusing on what kids can’t do online and focus on what they can do, and how they can make a difference in the world.
> Concurrent Sessions

**Monday, May 6**

**10:20 – 11:20 a.m.**

**Apps for Autism** | Stephanie Buydens, Brian Buydens

Sense of time. Sequencing. Motivating yourself. Remembering to remember. Many people take these skills for granted, barely realizing that these even are skills. However, these executive functioning skills pose a serious challenge for some. Turns out, there is an app for that! In fact, there are a bunch. This session will outline and discuss the various apps Stephanie has found useful in helping her navigate challenges in her day-to-day life.

**Scratching the Surface** | Brian Aspinall

Scratch is designed especially for ages 8 to 16, but is used by people of all ages. Millions of people are creating Scratch projects in a wide variety of settings including homes, schools, museums, libraries and community centres. Scratch was designed with 4Ps in mind – passions, projects, peers and play.

**Coding With Purpose: Developing Critical Thinkers in Middle Years** | Joanna Sanders, Liz Cowan

Provide your students with an introduction to computational thinking concepts through exploratory, hands-on activities and coding to develop real-world, problem-solving skills. This session also includes developing an understanding of big data and a problem-solving challenge in mobile app design.

**Technology Supported Teaching Tools With Blackboard Learn** | Elgin Bunston

This hands-on session will show and provide time for participants to explore the many technology-supported teaching and learning resources already available to Saskatchewan educators and students. Bring your mobile devices and/or laptops to this session so that you can follow along.

**Data in a K-12 Environment: Performance, Protection and Risk Management** | Sandra Climenhaga

A focus on data-based decision making and the rising use of technology in the classroom is combining to increase the volume of data gathered in the K-12 environment. It is imperative to consider how to share and store this data to protect the privacy of student information and ensure your organization’s infrastructure has the ability to move large volumes of data quickly. This presentation will touch on Greater Saskatoon Catholic School’s increased usage of technology, the importance of student data in decision making in a school division, and will provide examples of how GSCS uses data in its decision-making processes. The need to protect student data and examples of problems that could arise will also be discussed. Finally, there will be a high-level overview of GSCS’s own network setup, and how that setup supports the division’s goals of having a stable environment that best protects student information.

**Digital Forensics** | Rick Lee

Computers, smartphones and other digital media are a part of our everyday life and are often part of a school, student, staff or public safety-related investigation. Digital forensics is the examination of all digital media for evidence of some form of wrongdoing. During the presentation, you will learn what can be discovered in a digital forensics investigation. Topics covered will include types of investigations, location of the evidence available for examination, the digital forensics process and how to handle digital evidence. The presentation will include examples from actual investigations.
11:30 a.m. – 12:30 p.m.

**Portfolios as Learning** | Evan Cole
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Student learning portfolios are powerful tools for students to highlight their learning and reflections. Many portfolio platforms impose their own structures on how students are able to share their learning artifacts, but why can’t building the portfolios themselves be part of your students’ learning? The recently revamped Google Sites is part of G Suite for Education (formerly GAFE) and it empowers students to build their own sites that can be used as portfolios or level up those brochure/poster projects. Looking for something students can take with them beyond school? We will spend some time checking out WordPress as another option.

**Design Thinking and Challenges With Makey Makey** | Brian Aspinall
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Makey Makey started out as a project that was initiated by two students at MIT Media Lab under the advisorship of Mitch Resnick [Scratch] and is an academic and artistic project. In this session we will use design thinking to explore the lab https://labz.makeymakey.com/remixes and deepen our understanding of the possibilities for curriculum connections using Makey Makey.

**Managing Stress and Anxiety for IT and Tech Teachers** | Shawn Kostiuk
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IT Staff, IT Leaders and IT Teachers tend to run higher levels of stress and anxiety. One group needs to ensure everything works and the other group needs to assist students as they use everything we support [or don’t support]. This session will provide some practical strategies to help reduce your stress and anxiety levels as you navigate this ever-changing environment.

**Common Sense Tips and Tricks in Moodle** | Amy Sanville
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Do you ever feel like the more you know, the less you know? Do you feel like you’re falling down a rabbit hole each time you begin searching for engaging tools to bring learning to life in your blended or distance classroom? This session will provide a very brief overview and explanation of the tools Moodle offers. Then, participants will learn how to efficiently and successfully use them to engage learners without giving up their personal life in the process. See how to leverage these tools and get an inter-jurisdictional perspective from Blackboard trainers.

**Strengthening Cybersecurity: Saskatchewan Ministry of Education and CIRA Partner to Protect K-12, Libraries and Colleges** | Andrew Fraser
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As partners, CIRA and the Ministry of Education have spent the last year educating school divisions about and implementing CIRA’s D-Zone DNS Firewall cloud service; a layer of cybersecurity for all K-12 schools, libraries and colleges across the province of Saskatchewan. As part of this year’s IT Summit in Saskatoon, CIRA will present a readout on the health of the program to date including:

- Adoption rates across school divisions;
- Analytics on threats blocked including malware, botnets and phishing;
- K-12 by the numbers across Canada – trends and risk assessment; and
- Content Filter Policy Analysis from across the country.

Finally, CIRA will share perspective on Cybersecurity preparedness, including education and awareness programs for internet users today.
Digital Tools to Support the 1:1 Classroom | Katina Papulkas

Your school or district decided to go 1:1 and you’ve rolled out the laptops! Now what?

Come and discover digital tools to support your initiative and increase student and teacher engagement.

To make sure all learners are included and supported, find out more about:

- Accessibility features from Google and Microsoft;
- Blended learning tools and resources;
- Innovative gizmos to promote creativity and digital creations;
- And more!

Join us for a creative and interactive session that will provide you with ideas to share with your staff and students and make your 1:1 unforgettable! It’s tool time and learn time with Dell!

> 1:50 – 2:50 p.m.

Taking Tech Outside: Empowering Youth to Reconnect | Marcia Klein

Challenge “Nature Deficit Disorder” by learning outside with your students while benefiting from excellent tech. You will use and discover top outdoor learning apps and websites during a short nature walk. Engage in citizen science, make art through photography and journal to tell stories naturally. Curriculum connections will be shared. Please consider downloading the following apps prior to this session: iNaturalist, Plum’s Photo Hunt, Science Journal by Google and Google Earth (other super apps may be shared). Be prepared to walk outside along the Meewasin Trail by the South Saskatchewan River regardless of weather, and please bring your phone or tablet to the session.

Intro to Arduino | Evan Cole, Bill Fahlman

Arduino microcontrollers are a popular tool in the maker community that are used to create interactive projects and wearables that incorporate coding and robotics. They come in a variety of form factors, allowing Arduino to seamlessly integrate into the creative process. Best of all, the code for them can be created using blocks, which makes Arduino accessible for anyone in Grade 7 and up – including adults! A traditional first project in computer science is to find a way to say, “Hello world!” In the world of physical computing and robotics this is done by making a light blink. Come join us as we explore Arduino with SaskCode resources and make a light blink!

Note: Please bring a Windows laptop with Chrome installed or a Chromebook. If you bring a Mac, we will do our best to support you.

Leveraging Digital Technology to Personalized Learning | Daniel Krause, Carla Lorer

The world is shifting. Common assessments still exist in many classrooms across the province, with many students performing the same tasks/projects or writing the same exams as their peers. Teachers have begun providing more options for assessment within the same classroom, but this workload compounds exponentially as more options are added and the number of students in a room grows. Students have different needs and work at different paces. We know that preparing multiple different tasks for each of your classrooms on a regular basis isn’t sustainable on an individual level, but digital technology can be a solution. We can leverage digital technology to accelerate this shift towards personalized learning in a way that benefits both students and teachers.

This session will include displaying some examples of math and science resources currently being developed at the Sun West Distance Learning Centre to provide a personalized learning experience for students using Moodle that is applicable to both online and classroom environments.
Same. But better! A Comparative Look at Blackboard Classroom and Self-Hosted Moodle (exhibitor) | Jason Don Forsythe and Elgin Bunston

Architects and classroom technology consultants are taking an active role in creating better listening environments in classrooms. The addition of classroom audio systems acts as a complement to the acoustic design to provide the most optimal listening environments. As we understand the impact of listening on student learning, barriers to listening in the classroom, building listening into the learning environment and changes to instruction and the role of the teacher we are better able to understand how pivotal classroom audio is to the delivering of instruction from teachers to the students.

Designing Optimal Listening Spaces for Learning | John Zacaruk

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1:50 – 4:00 p.m.

Technology Roundtable | Myrna Martyniuk, Ron Lawson, Jason Caswell, Cory Teale

This roundtable session will provide a forum for discussion about recent developments in Saskatchewan's technical landscape. The Ministry of Education and members of the Provincial Working Group on CommunityNet will provide updates and engage participants in discussion of technology trends and the opportunities, challenges and strategies those trends imply. CommunityNet, SRNET, DNS Firewalls and various software applications will be topics of discussion, as well as other topics as generated by participants during the session.

Relevant feedback from the session will be included in the Ministry and working group future planning as technology continues to evolve.

3:00 – 4:00 p.m.

Giving Your Students a Voice: Online Teaching Tools to Help You to Help Your Students Address Prejudice, Human Rights and Social Justice Issues | Larry Mikulcik

Voices into Action and Choose Your Voice are online, curriculum-based educational resources dedicated to providing students with access to information on issues regarding human rights, prejudice and hatred, both current and historical. These free, award-winning resources provide teachers with lesson plans, customized resources for teachers’ classes, teaching tools providing curriculum links for each province, assessments and grading rubrics. Everything is made available through anytime-access from your mobile device. Teachers can create and manage PDFs, print handouts, add your own notes and save them year after year. Voices into Action and Choose Your Voice provide a large array of interactive media on topics such as the Holocaust, Holodomor, Residential Schools, Boat People, Rwanda, Islamophobia, gender issues, cyberbullying and many more.
Next Steps With Arduino | Evan Cole, Bill Fahlman

So you made a light blink and you want to know what is next? Awesome! Come build on your light-blinking expertise to investigate a few more projects to get your students coding and making through robotics. We explore activities on the SaskCode website and investigate how they fit into a variety of curricula at a range of levels from Grades 7 through 12.

Note: This session builds on the skills learned in “Intro to Arduino.” If you are already comfortable with Arduino, you are more than welcome to join us. Please bring a Windows laptop with Chrome installed or a Chromebook. If you bring a Mac, we will do our best to support you.

Integrating Technology to Inspire Interactions in a Second-Language Environment | Genna Rodriguez, Jennifer Owens

How do we get our students talking, sharing, learning, reflecting and thriving when they are learning a new language? This session will focus on creating opportunities for communication and a variety of interactions through the integration of technology, specifically in French Immersion and EAL classrooms. We will explore best practices as well as practical tools and strategies for bringing languages to life.

Developing Supports for Blended and Distance Learning Teachers in Saskatchewan: A Facilitated Dialogue | Randy LaBonte, Myrna Martyniuk

Are you wondering how to leverage technology to support changing curriculum and student needs? Are you curious about what others are doing in Saskatchewan and across the country to address this? Do you want to know where to turn for support and information? Join this facilitated dialogue for an opportunity to learn more about current research, practices, support and resources available to Saskatchewan educators and technology leaders. Join the discussion to shape how together we can meet the changing needs of learners through support networks for our colleagues throughout the province.

Technology Innovations in the Classroom and Beyond! | Collin Midwood, Chris Germain, Laura James

AVI-SPL has curated a highly-engaging presentation on the latest and greatest educational technology featuring presenters from three of the most innovative companies in the industry: LIGHTVU LED Displays, Epson and FrontRow. Over the course of this session, a presenter from each company will discuss how the latest technology can help you achieve greater learning outcomes. This includes transforming your gymnasium into a 21st century digital learning space with a LED media wall, a discussion of best practices for interactive laser projection in the classroom, and creating an integrated technology and communications platform in your school. Digital signage plays a key role in communication and LED walls create brilliant opportunities for high-quality video and scoreboards. When those technologies are integrated with the school communication system, they can automatically become critical forms of communication in time of emergency. Join us to see the latest from FrontRow, LIGHTVU, and Epson to learn how their technologies can be truly integrated to create a powerful technology and communications platform within your school.
Tuesday, May 7

10:05 – 11:05 a.m.

**Indigenous Language Assessment With G Suite** | Sarah Thompson, Sylvia Weenie

“Indigenous languages are struggling to survive. With the number of Indigenous language speakers on the decline, some of these languages are on the verge of completely disappearing. Many efforts are being made to keep these languages alive.” Indigenous Corporate Training Inc.

In this session, we will discuss the Saskatchewan Indigenous Cultural Centre’s (SICC) Teaching Sacred Language Curriculum and will focus on Treaty Six Education Council’s newly developed pre- and post-online language assessments using G Suite.

With this method, it is ensuring the success in our efforts for language revitalization in Treaty Six Education Council schools. This method assists teachers to identify areas of concentration when delivering language instruction. It supports and reinforces teachers’ confidence to recognize the language growth from the assessment data. To ensure the success for language survival, a collaborative structure for language acquisition includes Total Physical Response (TPR) and Accelerated Second Language Acquisition (ASLA). This success is measured on a monthly basis.

Participants will have the opportunity to engage in an assessment example.

**Organizing Your Teaching Life in a Digital World** | Patrick Nikulak

Gone are the days of filing cabinets upon filing cabinets filled with every resource under the sky and a single day planner on your desk. As we move to finding resources, planning and storing everything on our digital devices, it can lead to information overload and an organization nightmare. This session focuses on best practices for keeping your digital teaching life organized and under your control. We will look at how to move your planning into the digital realm, organization of your resources and how mastering your digital life can reduce your workload instead of increasing it.

**Being a Connected Educator** | Dean Vendramin

Join me as I share and reflect on my experiences as a connected educator. This includes how I have grown as an educator, challenges I’ve encountered, resources I use and ways I connect. This session will be highly interactive, and participants will have the opportunity to reflect on their own journeys and goals. I have used technology throughout my 20-year teaching career, taught a variety of subjects, been a technology coach and consultant for my division and I am currently an education leader and visionary member of the Regina Catholic Schools Connected Educator Program.

**Canadian E-Learning Roundup: Program Spotlights and Research of Models on Online and Blended Learning From Across Canada** | Randy LaBonte

Join this discussion session to learn how schools are shifting practice to create flexible and personal learning. A brief overview of e-learning in Canada will provide the background for learning more about several successful programs and initiatives from across Canada. A synthesis of successful principles from practices will be the base for a discussion about how these principles can be applied in your own program.

Outcomes include:
- Awareness of specific emerging online and blended models;
- Understanding policy and funding implications; and
- How rethinking the organization of learning opens new opportunities.
SRNET Update  | Neil McClughan

CANARIE and its 12 provincial and territorial partners form Canada's National Research and Education Network. This ultra high-speed network connects Canada's researchers, educators and innovators to each other and to global data, technology and colleagues. Saskatchewan Research Network Inc. (SRNET) is Saskatchewan's partner with CANARIE.

In 2018, the SRNET connection to CommunityNet was upgraded to 10Gpbs, providing CommunityNet members full access to the national Research and Education Network as well as its Content Delivery Network. This session will present information as to how the sector used the network since the 10Gpbs upgrade, and facilitate discussion of SRNET’s vision and how it fits with CommunityNet and the broad education and research community in Saskatchewan.

Phidgets: Take Coding to the Next Level  | Lucas Pacentrilli

Phidgets are professional tech tools used by thousands of engineers, researchers and programmers worldwide. In this session, you’ll learn about Phidget Inc.'s new educational tools that can help take your high school computer science class to the next level which will:

- Create excitement with real-world tools students can utilize in university and beyond.
- Inspire creativity in students by re-using parts for other projects. Options are endless with modular kits and hundreds of different sensors and controllers.
- Continue using your preferred programming language and IDE. Phidgets work with virtually any environment.
- Receive support with teacher forums, FAQs and phone/email assistance.

To learn more, visit our website at www.phidgets.com

> 11:15 a.m. – 12:15 p.m.

Creating a Multi-Camera Studio in Your Classroom  | Scott St. Pierre

The idea of the use of video production in education is not new. It just wasn’t realistic for all classrooms to accomplish in the past. Either technical or financial barriers existed. Some simple online tools, along with a laptop and webcam, make this challenge a possibility for all students and classrooms. In this session, we will explore how students can become creators of content and have the ability to share to a larger audience. We will learn how to control the audience. By sharing with a larger community, peers and experts can be a part of the process when creating content as well as be involved in providing feedback, creating conditions for excellent formative assessment supports. These tools would be a great support in an inquiry process or in problem based learning. We will also touch on how teacher-created content helps provide digital-age learning experiences and assessments, as well as flip their classroom.

Digital Storytelling  | Jennifer Casa-Todd

Stories and storytelling make up the very foundation of who we are as human beings. Today's tools allow for us to not just create stories in digital format, but to collaborate and share our stories across the world. This session will delve into using Twitter, Instagram, Snapchat (even if it’s blocked), Virtual Reality, as well as other tools, as ways to amplify your students’ voices through stories.
Digitally Literate Changemakers: Supporting Student-Driven Solutions to Real World Problems | Joanna Sanders, Liz Cowan

Learn to facilitate a student-led design thinking challenge. Rooted in empathetic design, this process leads students through problem solving from predicting solutions, to testing, to revision, to deployment. Help students develop digital skills and learn how to incorporate open-source data to expand the possibilities for inquiry across disciplines at the secondary level.

Blackboard Learn as a Vehicle to Support Struggling Learners | Dan Clarke, Sherry Vetter

In this session, you will learn how Blackboard Learn (and other learning management systems) can assist teachers in supporting struggling learners.

This session will examine the assets in BBL that are most helpful in maintaining learner engagement, monitoring student progress and making appropriate interventions in a timely and meaningful manner.

Virtual Private LAN Service (VPLS) | Shaun Antosh, Ron Lawson

Shaun Antosh, SaskTel CNET Service Manager and Ron Lawson, Ministry of Education will be presenting an overview of SaskTel’s new Virtual Private LAN Service (VPLS). The purpose of the session is to determine if VPLS is right for you, support/assurance, what you need to consider when planning for a VPLS network and processes and procedures to consider when migrating to a VPLS network.

Discover the Possibilities on Your LOFT Interactive Display | Amber VanPinxteren

Interactive technology enriches the learning and collaborative experience, but this technology tends to be one of the most underutilized tools in the classroom. This workshop will guide you through all the hidden features of a LOFT display to spark ideas and demonstrate what your newest classroom tool is capable of! There will be plenty of hands-on opportunities with the LOFT display so you can try the features for yourself.

This workshop is geared toward IT managers, principals and teachers who have purchased or used LOFT, and those who are curious about interactive displays as a front-of-room classroom solution.

1:15 – 2:15 p.m.

Using Podcasts to Create, Communicate and Connect | Scott St. Pierre

In this session, the variety of uses of podcasts in the classroom will be explored, from student’s demonstrating understanding and learning through creating, to teachers designing and developing digital-age learning experiences and assessments (formative and summative), to flipping their class. Participants will explore how to create podcasts, share locally or to a wider audience, go live or provide on demand, and create with peers or experts near or from afar. Creating an environment, at any budget, will also be explored. Scott will bring together his experiences as an educational consultant and speaker in blended-learning environments, as an administrator of the Saskatoon Public Schools’ Online Learning Centre and as the managing partner of an award-winning podcast network to help you incorporate podcasts into your classroom.

Mentoring That Matters: Social Media in Our K-8 Classrooms | Jennifer Casa-Todd

Our students enter our schools expecting blackboards and whiteboards to be touch screens: their home lives rich with technology. Jennifer will inspire you to think deeply about the intersection of citizenship, leadership, and technology. When research points to the role of mentorship in preventing problematic media use, Jennifer will inspire you to think differently about the potential of social media class accounts to connect and learn in K-8 classrooms. She will give you ideas and examples for how to create partnerships with parents to ensure we are mentoring a generation of students who are making a positive impact in the world.
Utilizing Collaborative Tools to Co-Construct Lessons and Understandings | Patrick Nikulak

In this session Patrick provides an overview of his experiences modifying teaching to allow students to co-construct knowledge, lessons and deeper understandings of outcomes using online collaborative tools. These techniques have allowed many of the “challenging” and “non-academic” students to see successes where they historically have seen none. Initially completed in practical and applied arts classrooms, he will discuss how he is modifying these same techniques to be used in his mathematics classrooms.

A Roundtable Discussion on the Working Conditions of Online Teachers | Jane MacLeod, Saskatchewan Teachers’ Federation

The increase in the provision of online learning has resulted in many more teachers working in cyber school contexts. While the numbers of teachers teaching in online environments has rapidly increased, the policy frameworks of school divisions have not kept up. This is raising a number of questions regarding the working conditions of teachers in online classrooms such as assignable time, availability to students, class size and intellectual property rights. This roundtable discussion will be an opportunity to hear the stories of online teachers’ working environments and consider the policies and practices that both support and complicate working conditions of those teaching in cyber schools.

Real News, Reputable Journals, and Reliable Online Content | Charlotte Raine, Elgin Bunston

Saskatchewan schools have access to a wide range of online library resources available through the Ministry of Education. Most of these products offer, text-to-speech, citation tools, and integration with Microsoft and Google. Find out how to access these resources and see how they can be used in a classroom setting. This is also an opportunity for discussion about how these resources add value in the classroom and for students as they prepare for post-secondary education, and for feedback to the Ministry that could affect the resources offerings of the future.

Transform Lessons into Learning Experiencing | Henning Moe, Jody Bean

Use the SMART Learning Suite Online G Suite App to spark active learning, harnessing the power of class devices and engaging students to independently challenge themselves. We will explore ways to differentiate and personalize learning to deepen understanding and create better problem solvers. This session is perfect for Ed tech decision makers and teachers looking to increase the benefits of SMART Learning suite software, Interactive Displays and classroom devices like Chromebooks, tablets, laptops and BYOD.

> 2:30 – 3:30 p.m.

The State of STEM Education in Saskatchewan

Come hear from a variety of experts from industry and education about their impressions on the state of STEM in Saskatchewan. What are we doing well, what might we do to improve student engagement? This will be a moderated panel with the opportunity for participant questions.

Aaron Genest – SaskTech
Joanna Sanders – Let’s Talk Science
Dirk de Boer – Indigenous Student Achievement Program
Jennifer Stewart-Mitchell – Regina Catholic School Division
Keynote Presenters

Aspinall, Brian
Brian Aspinall is an educator and best-selling author and is considered one of the brightest STEM innovators in Canadian education. His book, *Code Breaker – 15+ Ways to Get Started With Coding*, continues to top the charts in STEM Education with a focus on rethinking assessment and evaluation. Recently he was awarded the Prime Minister’s Award for Teaching Excellence for his work with coding and computational thinking. His enthusiasm, thought leadership and approach to building capacity within STEM education has made him a sought-after speaker throughout North America and has earned him the honour of being selected as Canada’s first Minecraft, Micro:BiT, and Makey Makey Ambassador!

Casa-Todd, Jennifer
Jennifer is currently a teacher-librarian in Aurora, Ontario and author of *Social LEADia*, a book focused on how students and teachers are leveraging social media to do well. Before this, Jennifer spent six years at the district level as a Program Resource Teacher for Literacy and Literacy Consultant, respectively.

In her district-level role, Jennifer worked with teachers from kindergarten to Grade 12 in practically every subject area to integrate technology in the classroom, to support literacy, assessment, and differentiation, and to promote 21st century competencies. She has also had the privilege to write curriculum for the Ministry of Education of Ontario’s 21st Century Learning office as well as the Catholic Curriculum Corporation.

Jennifer is a life-long learner currently studying at the University of Ontario, Institute of Technology, with a focus on social media in education and digital citizenship.

She is also a wife and mom of two teens. Wearing her parent hat, she has been the co-chair as well as an active member of the parent council for over a decade, bringing parent and school communities together for a variety of issues. She also worked closely with the Bully-Free Alliance of York Region, with whom she initiated a panel discussion, “Fears, Cheers, and Unclears: Parenting in a Connected World.”

She was also the lead organizer for the Digital Citizenship Summit, Canada, in the fall of 2018.
Antosh, Shaun

Shaun is a Solutions Manager with SaskTel’s service management team working exclusively with Saskatchewan’s education, government and healthcare sectors assuring CommunityNet. He started his career at SaskTel in 2001 as a help desk technician after his Network Security Specialist degree, and has worked with SaskTel’s Wireless engineering, Business, Enterprise data services and service management support groups. He was instrumental in designing and supporting SaskTel’s 3G and 4G wireless network. Shaun knows what truly drives a positive customer experience. It is about how well you connect with the people you are trying to help and communicate your understanding back to them. When he isn’t working, you’ll find Shaun volunteering with the less fortunate and cracking dad jokes with his two daughters.

Bean, Jody

Jody has been in education for over 30 years. She enjoys finding ways to inspire greatness in teachers and students. Jody wants to help teachers not work harder but work SMARTer. Finding ways to build relationships with students and to meet their needs while they are in the classroom is a passion. She believes that relationships must come first before anything else. Jody enjoys sharing with teachers ways to make learning fun and creating engaging interactive activities for students. She uses SMART Learning Suite to enhance her lessons. Jody wants learning to be fun and empower students to create their own meaning.

Bunston, Elgin

Elgin is the Manager, Teaching and Learning with Technologies for the Saskatchewan Education Sector Technologies and Network Services. He holds a Master of Library and Information Science degree from Western University.

Buydens, Brian

Brian (B.Sc., B.Ed.) currently works as a database specialist, programmer and website designer at SECPSD. Formerly Brian was a school teacher and home-schooler. In partnership with his wife Norma Buydens (B.A., J.D, M.A, LL.M) they independently discovered unschooling, and successfully prepared Stephanie for university-level studies.

Buydens, Stephanie

Stephanie is an autistic person. Her parents were once told by their school that she was unteachable. Thanks to her natural ability and her parents’ willingness to innovate to build on that ability to learn, Stephanie was able to attend university. Currently she is pursuing a degree in psychology, while working part time at a law firm as a legal assistant and researcher.

Caswell, Jason

Jason is the IT Manager from the Living Sky School Division, with a background in education, business and technology. He has spent the past 15 years enforcing the prime directive in PreK-12 with a variety of school divisions, as well as co-chairperson for the CNet WAG as well as the SETA executive and SASBO.

Clarke, Dan

Dan (B.A., B.Ed.) has been a teacher in the Saskatoon Public School Division for nearly 18 years. He has been a classroom teacher, learning coordinator and technology leader. Currently Dan is teaching half time at Saskatoon Public’s Online Learning Centre and half time as an ELA teacher at Nutana Collegiate delivering in a blended-learning environment.

Clemenhaga, Sandra

Sandra has been working for Greater Saskatoon Catholic Schools for the past 16 years and is currently the Assistant Manager of Data Services. Sandra is the key link between IT and the product users in the school division and spends her time directing IT work related to product needs and enhancements; solving organizational information problems by analyzing requirements; and determining operational objectives.
by studying business functions. GSCS serves approximately 19,000 students in 50 schools and a significant part of her role entails the management of GSCS’s student data, including provincial requirements around funding and assessment data and all reporting needs for internal and external stakeholders.

Sandra holds a Bachelor of Commerce through Royal Roads University, a Business Administrative Certificate through the University of Saskatchewan, is a member of the Saskatchewan Association of School Board Officials and enjoys representing the school division on various committees or working groups as needed.

**Cole, Evan**

Evan is an educational technologist, teacher, maker and barbecue aficionado. He spent the last year with SaskCode where he worked with K-12 teachers to equip them to introduce computational thinking and coding strategies to their students using age-appropriate robotics and curricularly linked activities. Previous to joining SaskCode, Evan taught computer science, photography and mathematics at Marion M. Graham as a part of Saskatoon Public Schools. In 2018, Evan received a Master of Education in Technology and Design from the University of Saskatchewan.

**Cowan, Liz**

Liz is a Professional Learning Associate with Let’s Talk Science. She supports educators across Canada by developing and delivering professional learning opportunities that focus on developing skills related to STEM and digital literacy. Before becoming a teacher through the B.Ed program at the University of Ottawa, Liz completed her MSc. at Carleton University studying biogeochemistry and carbon cycling in peatlands. She loves teaching science because it combines her passion for lifelong learning and exploring the natural world.

**Don Forsythe, Jason**

Jason Don is a Senior Solutions Engineer with Blackboard’s K-12 team focusing on teaching and learning solutions and community engagement platforms. He holds a Bachelor’s degree in History from the University of California at Santa Cruz and a Master’s in Education from the University of North Carolina at Charlotte. He resides in San Diego, California with his wife Brandie and three children Alice, Isabelle and Nicholas. In his free time, he enjoys the beach, the mountains, building Lego sets with his kids and playing games of all kinds.

**Fahlman, Bill**

Bill has been an active teacher and facilitator for the past 23 years, 18 of which have been with the Greater Saskatoon Catholic School Division. Growing up on the farm, he has always been a hands-on learner and creative with design, structure, problem solving and mastering the art of the “farmer fix.” Bill transformed this passion and ability to his adult life working as the Practical and Applied Arts learning leader with GSCS for 12 years and the past year with SaskCode. He is very excited to enhance, develop and connect hands-on experiential learning, coding and robotics to everyday learning and curriculum.

**Fraser, Andrew**

Andrew is the Director of Business Development, Partnerships and Customer Success at CIRA, leading all sales, channel management and customer support activities. Andrew joined CIRA in 2017 and brought with him a wealth of experience developed through various roles in both start up and enterprise businesses.

His industry experience in sales, business development and partner management spans software systems management, telecommunications, business intelligence and mobile applications in companies such as Quest Software and Mitel. As a veteran of numerous start up acquisitions, he has played a key role in bringing new ideas and solutions to market.

**Germain, Chris**

Chris is the Business Development Manager for Pro AV Western Canada for Epson Canada. He has been supporting technology in education for over 20 years, both from a dealer and a manufacturer background. In his spare time, Chris supports a number of charitable causes, including youth emergency shelters and children’s hospitals.
James, Laura
Laura is the Regional Manager for Western Canada for FrontRow. She is an industry professional working for manufacturers of education technology for more than 10 years. Laura’s experience has allowed her to work with schools throughout Western Canada and all the way to Europe, which has provided her a deep insight into how technology can be effectively utilized in today’s schools.

Klein, Marcia
When asked about her career dreams as a child, Marcia wanted to be a nature lover. She worked as a nature interpreter with Meewasin, Saskatchewan Provincial Parks and Parks Canada (PANP). Teaching with the Saskatoon Public School Division and currently with the Saskatchewan Rivers Public School Division, Marcia has learned and shared a sense of wonder with her students in the outdoor classroom.

Kostiuk, Shawn
Shawn has been teaching and support IT for the past 20 years. Currently, Shawn is the Network Coordinator of Good Spirit School Division, a Certified Life Coach and a Certified Hypnotist. Having experienced the rigours of IT classrooms and technical support, Shawn has practical solutions that will help you shed the stress.

Krause, Daniel
Daniel is in his fifth year of working at the Sun West Distance Learning Centre in Kenaston. For the 2018-19 school year, he is teaching Science 10, Astronomy 20, Physical Science 20, Earth Science 30 and Physics 30, though he has taught several of these courses in previous years. While his focus has been in online education, he has taught one or two courses in the classroom next door at Kenaston School as well. Daniel completed his B.Sc (Mathematics) in 2012, B.Ed in 2014 and is currently working on his M.Ed in Educational Technology and Design at the U of S. Though Daniel’s background was originally in Mathematics, he has spent quite a bit of time in engineering and enjoys teaching students about science and technology. Outside of teaching, he enjoys building computers from scratch and tinkering with electronics.

LaBonte, Randy
Randy is the CEO of the Canadian eLearning Network (CANeLearn.net). He works and teaches online in the K-12, post-secondary and corporate training sectors. He has been involved in research related to online learning in both K-12 and post-secondary, consulting with BCcampus and eCampusAlberta.

Lawson, Ron
Ron is the Manager of Technologies with the Ministry of Education and has over 25 years of hands-on and management experience with technology networks, hardware and applications. He has worked in both the private and public sectors, with the last 20+ years focused on supporting education systems in Saskatchewan.

Lee, Rick
Rick is a Forensic Technology Investigator who started his digital forensic training 20 years ago at the Canadian Police College while a member of the Royal Canadian Mounted Police. His career with the RCMP spanned 25 years including six years in Commercial Crime and two years starting up the Regina Integrated Technological Crime Unit. He is recognized within the digital forensic community and has been recognized as an Expert Witness in Provincial Court, Court of Queen’s Bench and in Arbitration Hearings in Saskatchewan.

Rick continued his career in digital forensics after retiring from the RCMP for the past 16 years as a Security Manager at SaskTel, a provincial telecommunications company. He conducted computer investigations and lead the CSIRT Team. Rick started the SaskTel Business Sales and Solutions – Digital Forensics Group in March of 2015.

He holds several coveted industry certifications including EnCE (First in Canada), GCFA and CISSP.

A sought-after speaker, he has presented at conferences in North America, Europe and China.

He has also trained many forensic investigators as an instructor for Guidance Software, Foundstone, Paraben and WetStone.

Lorer, Carla
Carla has been involved in distance education as a student since 2001, and as a teacher since 2011. In
2014, after teaching in a small rural school for about 10 years, she made the move to full-time online teaching at the Sun West Distance Learning Centre, where she teaches power engineering and high school mathematics. Carla has a B.Sc. in chemistry and a B.Ed., and is two courses away from her M.Ed. in distance education from Athabasca University. She enjoys finding ways to use technology to make courses more engaging to students, and to help keep the workload of teachers manageable.

**Macleod, Jane**

Jane Macleod served as a classroom teacher and elementary school principal in Saskatoon before joining the Saskatchewan Teachers’ Federation as Director of SPOU. Jane’s experience includes over 12 years of education leadership experience in an international setting in Papua New Guinea and the United Arab Emirates. Jane returned to the STF as Senior Manager of Research and Records in 2017. Jane obtained her Doctorate in Education Leadership from the University of Calgary in 2012. Her area of study is educational leadership in a cross cultural context.

**Martyniuk, Myrna**

Myrna is the Director of Education Sector Technologies and Network Services with the Ministry of Education.

**Midwood, Collin**

Collin, from LIGHTVU, has been a part of education technology for over 20 years. His background is in supporting schools with best practices in the planning and implementation of technology solutions that are dynamic and enable the school to not only check off technology adoption on their list of goals, but to support many other goals within their focus. Collin works with LIGHTVU LED Displays, a Canadian manufacturer of LED displays from Sherwood Park, Alberta.

**Mikulcik, Larry**

Larry was raised and educated in rural Saskatchewan, receiving his post-secondary education at the University of Saskatchewan. He taught for 30 years in rural Saskatchewan and worked for two years as a Curriculum Coach with the Horizon School Division after leaving the classroom. Outside of the classroom Larry has supported education through Saskatchewan curriculum and resource development. He has also worked with the provincial and federal speakers’ offices to enhance the understanding of parliamentary democracy in the classroom. Larry has facilitated at annual parliamentary institutes for teachers in Regina and Ottawa where teachers gain first-hand knowledge about our democratic process. After using the FAST resources in his classroom, he is most pleased to take on the role of FAST Program Coordinator for the Manitoba and Saskatchewan region introducing teachers to Choose Your Voice and Voices into Action.

During his career, Larry specialized in the social sciences receiving recognition for his pedagogy and his work with citizenship and human rights education, notably the 2015 Government of Canada History Award for Teachers and the CSYV 2016 National Catalyst for Change Award. In 2016 he was named a Champion for Human Rights by the Saskatchewan Human Rights Commission and in 2017 was awarded the Canada 150 Medal.

**Moe, Henning**

During his almost four years with SMART Technologies, Henning has held a number of different roles including his current appointment Country Manager for Canadian Sales. He is an experienced presenter and SMART Learning suite trainer.

**Nikulak, Patrick**

Patrick is a teacher with the Horizon School Division teaching whatever he ends up being assigned. He is an outed tinkerer with at least half a dozen projects left in various states in his garage and plans to double that number by the end of May. He is passionate about helping others become the best they can be and is always down for a new challenge, and not just the ones he creates. It has been stated that Patrick cannot be left alone in a classroom for too long or anything more than eight years old will magically disappear.
Owens, Jennifer
Jennifer is a French Immersion teacher with Regina Catholic Schools. She has 15 years of experience in the classroom, teaching Grades 1-6. This school year, she has taken on a new role as Teacher Technology Coach. Jennifer has a special interest in the integration of technology in the classroom to increase student voice, collaboration and communication in a French as a second language setting.

Papulkas, Katina
Katina is an Education Strategist at Dell EMC and is committed to serving K-12 students across Canada. She is an experienced educator with a background in teaching, online learning, educational leadership, assessment and educational technology. In her two-decade tenure in education she has been an elementary teacher and a K-12 instructional leader where she designed and implemented system-wide initiatives around the effective integration of technology into the curriculum. Additionally, Katina served as vice principal of a middle school at the Toronto District School Board. Most recently, she was the Director of Educational Partnerships at Television Ontario (TVO) where she focused on the design and development of K-12 digital learning resources in a cross-functional and agile environment.

Pacentrilli, Lucas
Lucas is a Software Engineer and Education Director at Phidgets Inc.

Rodriguez, Genna
Genna (B.Ed, M.Ed) is the Digital Fluency Consultant for Regina Catholic Schools and has a background in both elementary and high school education. Genna has a passion for technology integration and 21st century pedagogy. She believes that the affordances of technology can allow for authentic and innovative opportunities to differentiate, deepen and enhance student learning.

Raine, Charlotte
Charlotte is a former teacher-librarian and currently works as the Curriculum Coordinator for the Good Spirit School Division. She represents the school sector on the Multitype Library Board and is past president of the Saskatchewan School Library Association. Charlotte has been enthusiastically introducing students to the online databases since they were first field tested in 1998.

Sanders, Joanna
Joanna is the Director of Professional Learning at Let’s Talk Science. She is an award-winning Canadian educator who is passionate about integrating technology into the classroom to enable students to think and work together in new ways. Joanna previously served as the Consultant of Digital Fluency at the Saskatchewan Ministry of Education and was a French Immersion Teacher with Regina Public Schools prior to working for the Ministry. She is a Google Certified Innovator, a YouTube Star Teacher, a recipient of the Prime Minister's Award for Teaching Excellence, a CBC Saskatchewan Future 40 and a Saskatchewan Ministry of Education recipient of the Excellence in Education Award for Student First/Citizen-Centred Service.

Sanville, Amy
Amy has experience as a classroom, student support and online teacher. She is currently in the role of administrator of Regina Catholic Schools Learning Online. Amy believes that digital learning platforms provide powerful opportunities for teachers to support, enhance, and individualize student learning.

St. Pierre, Scott
Scott has spent 22 years with Saskatoon Public Schools in the capacities of teacher, instructional leader, consultant and administrator. He has presented at conferences around North America in both the education and podcasting fields. Scott is also a producer and managing partner of two award-winning podcast networks.
Thompson, Sarah
Sarah is the IT Learning Support Coordinator with Treaty Six Education Council. She mentors educators with the use of Smart Boards, computers, iPads, coding and unplugged activities to engage students in the classroom. She is an advocate of global projects and supports such as the Hour of Code, Mystery Skypes, the Digital Human Library, and the Canadian Teachers’ Federation Imagine-Action projects. In previous years, Sarah transitioned from a classroom teacher to a catalyst position with a focus on math and literacy.

VanPinxteren, Amber
Amber is the Education Account Manager for Evolution AV in Saskatchewan. Amber takes care of the AV needs for all educational institutions within Saskatchewan and has fully immersed herself in all things AV for the education sector. Amber’s career has led her through various aspects of the audio-visual field and she has also received a BFA in Film and Video Production from the University of Regina.

Vendramin, Dean
Dean has a passion for teaching, ed tech and connecting. To get an idea of some of the work he does, you can check out his portfolio deanvendramin.weebly.com and Twitter account www.twitter.com/vendi55.

Dean has been recognized by many ed tech teacher programs including Microsoft Innovative Expert Fellow, Apple Distinguished Educator, Google Certified Educator, Minecraft Global Mentor, Skype Master Teacher, Formative Certified Educator, Screen Beam Expert and Flip Grid Ambassador.

Weenie, Sylvia
Sylvia is from Sweetgrass First Nation and is an educator, administrator, coordinator, kohkom, parent and lifelong learner. She is currently employed at the Treaty Six Education Council (TSEC) in North Battleford as the Treaty Language Culture Coordinator. For over 40 years in education, Sylvia has witnessed First Nation children spiralling from full fluency in Cree to the current state of extreme language loss in schools. First Nations languages are presently at a critical state of extinction. Without Indigenous languages and culture, their sense of identity vanishes. Traditional knowledge gained from Elders coupled with experience and insight of the western education system, inspires Sylvia’s work. She actively promotes and encourages the traditional teachings to stimulate the language spirit in a good way that will benefit all learners.

Vetter, Sherry
Sherry currently teaches 30 level math online through the Online Learning Centre (Saskatoon Public Schools) and is also the teacher librarian at City Park School. She has spent 15+ years teaching a variety of online classes and providing technical Blackboard support for teachers and students of the Online Learning Centre. For the past three years, Sherry has also been the teacher-librarian for City Park School. City Park School is a Grades 1 to 12 school featuring public Montessori (Grades 1-8), Ecoquest (Grade 8), Flex (Grades 7-12) and the Online Learning Centre.

Zacaruk, John
John is a father, educator and consultant with an emphasis on the education market. His experience as a teacher for 15 years and in the IT field for over 20 years, gives him a better understanding of what works best in a classroom environment.
Gold Exhibitors

Scholantis
Aerohive

Silver Exhibitors

3P Learning Ltd.
Anchor Managed Solutions/D-Link/FlexNetworks
BenQ America
Cambium Networks
Cesium
Computers for Schools
edsembli
FAST
Inland AV
Kore Design
Let's Talk Science
LifeSpark Technologies
Logics Academy
Original Energy Sales
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