IT 2018 SUMMIT

Keynote Speaker
George Couros

APRIL 30- MAY 1
RADISSON HOTEL
SASKATOON

AEROHIVE® NETWORKS

Scholantis
SharePoint for schools

evolution
audio visual

Government of Saskatchewan
Ministry of Education

Pearson

⊱ Conference Overview

This event is organized by the Saskatchewan Professional Development Unit in partnership with the Saskatchewan Ministry of Education.

🐦 **#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

Joanna Sanders
Ministry of Education

Dean Shareski
Discovery Canada

Jennifer Stewart-Mitchell
Regina Catholic School Division

Jim Swan
Horizon School Division

Pam Driedger
Saskatchewan Professional Development Unit

Agenda

April 30

8:00 – 8:45 a.m.	Registration and continental breakfast
8:45 – 10:00 a.m.	Keynote speaker: George Couros –The Innovator's Mindset
10:00 – 10:20 a.m.	Break
10:30 a.m. – 12:30 p.m.	Concurrent sessions
12:30 – 1:45 p.m.	Lunch
1:50 – 4:00 p.m.	Concurrent sessions

May 1

8:00 – 8:45 a.m.	Registration and hot breakfast
8:45 – 9:45 a.m.	Keynote speaker: George Couros – Leading Innovative Teaching and Learning
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 Keynote: Susan Nedelcov-Anderson and Joanna Sanders - Using Technology to Support Reconciliation in Saskatchewan

Schools

➤ Session Schedule and Room Assignments

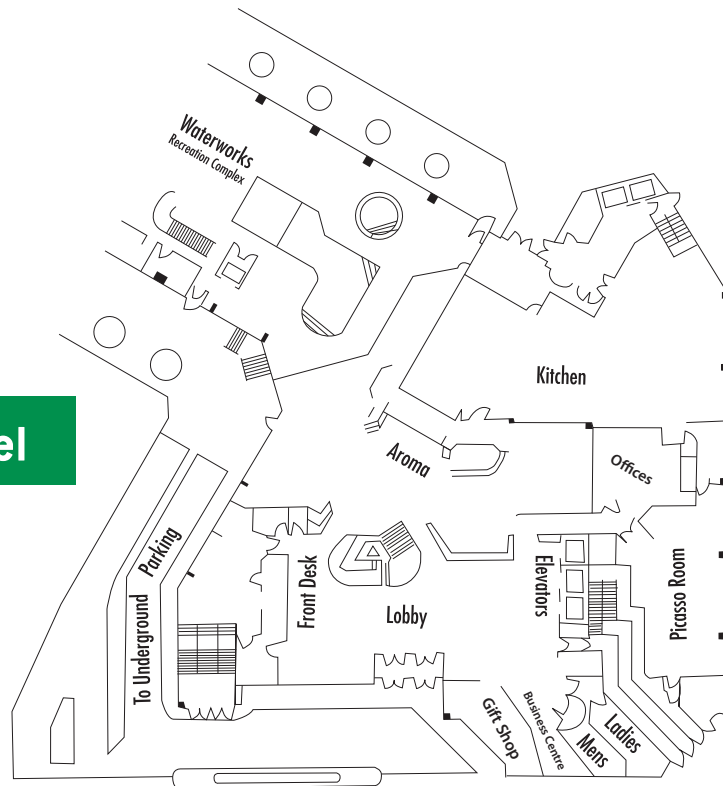| Session/Room	Michelangelo A	Michelangelo B	Michelangelo C
Monday, April 30			
8:00 – 8:45 a.m.	Registration and continental breakfast		
8:45 – 10:00 a.m.	Keynote Speaker: George Couros The Innovator's Mindset		
10:00 – 10:20 a.m.	Break		
10:20 – 11:20 a.m.	Creating Blended Learning Environments George Couros C, CN, L, TL	Creating and Using Digital Indigenous Content Sarah Thompson C, CN, L	Pace, Place, Time: Using Flexible Design and Delivery to Support Learners Ramona Stillar, Carlo Hansen C, L
11:30 a.m. – 12:30 p.m.	Minecraft in the Classroom Dean Vendramin C	Feedforward: Formative Assessment in Online Learning Racquel Biem C	Start:\ Coding Bill Kapphahn C, CN, L, TL
12:30 – 1:45 p.m.	Lunch		
1:50 – 2:50 p.m.	Your Digital Footprint George Couros C, CN, TL, L	It's Easy Being Green Lauren Tessier, Gwen Neudorf C, L	Using Podcasts as a Form of Representing Scott St. Pierre C, CN, TL
3:00 – 4:00 p.m.	SPDU – Online Professional Development Lindsay Shaw, Racquel Biem C, CN, L, TL	Tinkering With 3D Creation and Printing Ron Fines C, CN, L, TL	Formative Assessment in the Digital Age Genna Rodriguez C, CN, TL
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8:00 – 8:45 a.m.	Registration and Hot Breakfast		
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10:05 – 11:05 a.m.	Blogging as Professional and Student Portfolio George Couros C, CN, L, TL	Digital Citizenship – When Should We Start the Conversation? Nicole Reeve, Amy Singh C, CN, L, TL	Meet the 'Bots Evan Cole C
11:15 a.m. – 12:15 p.m.	Creating Amazing Presentations with Keynote [for Mac] George Couros C, CN, TL, L	Services, Resources and Supports for Your Planning Needs Joanna Sanders, Elgin Bunston C, TL	App Smashing With Indigenous Culture and Language Denise Desjardins C
12:15 – 1:15 p.m.	Lunch		
1:15 – 2:15 p.m.	Integrating Digital Tools in Balanced Literacy Jennifer Stewart-Mitchell, Jodie Bray C, CN, TL		Minecraft in Specialized Education Keith Smith, Ron Wasser C, CN, L, Tech
2:30 – 3:30 p.m.	Closing Keynote: Susan Nedelcov-Anderson, Joanna Sanders Using Technology to Support Reconciliation in Saskatchewan Schools		

Florence	DaVinci	Naples (TECH Stream)	Venice
App Smashing Using SeeSaw in the Classroom Daygen Strom, Tracy Gaudet C		Streaming Presenters and Provincial Events Ryan Kobelsky CN, L, Tech	Top 10 Wi-Fi Considerations to Support Digital Learning Troy Martin L, Tech
Sketchnoting – Making the Verbal Visual Deighan Remoundos, Megan Hernberg C, CN, TL	Makerspace	The Google Journey: From Windows to Chromebooks Rob Geiger Tech, CN, TL, L	Mathology.ca: Your Curriculum Connection for Teaching Math Gerry Varty, Jeff Adams C, TL, L
It's More Than a Checklist Shelby Budd C, L		Ministry of Education Technology Round Table Myrna Martyniuk, Ron Lawson Tech	Sangha: Parent Communication Platform Drew Carmichael L, Tech
Desmos for School Mathematics Michelle Naidu C, L			
Regina Catholic School Division's Connected Educator Project: Connecting Teaching and Igniting Digital Integration for K-12 Jennifer Stewart-Mitchell, Bart Cote, Scott Fossenier C, CN, L	Makerspace	Securing the Internet in Canada – How CIRA is Providing Security for Classrooms, Busses and Common Areas Shawn Beaton Tech, L	All Hands Up, All Voices Heard: Total Participation with SMART Learning Suite Allyson Kane C, L, TL
#Making in School: Designing a Design Lab Russell Munkler C, CN, L, TL		Leveraging Canada's NREN to Improve Education & Business Outcomes in K-12 Education Jim Bennett C, CN, Tech, L	
		Using PowerBI and Azure Datawarehouse in K-12 Deepak Kaushik, Jason Dunk C, Tech, L	

Audience: C – Classroom   CN – Consultant   L – Leadership   TL – Teacher-Librarians   TECH – Technical Support Personnel
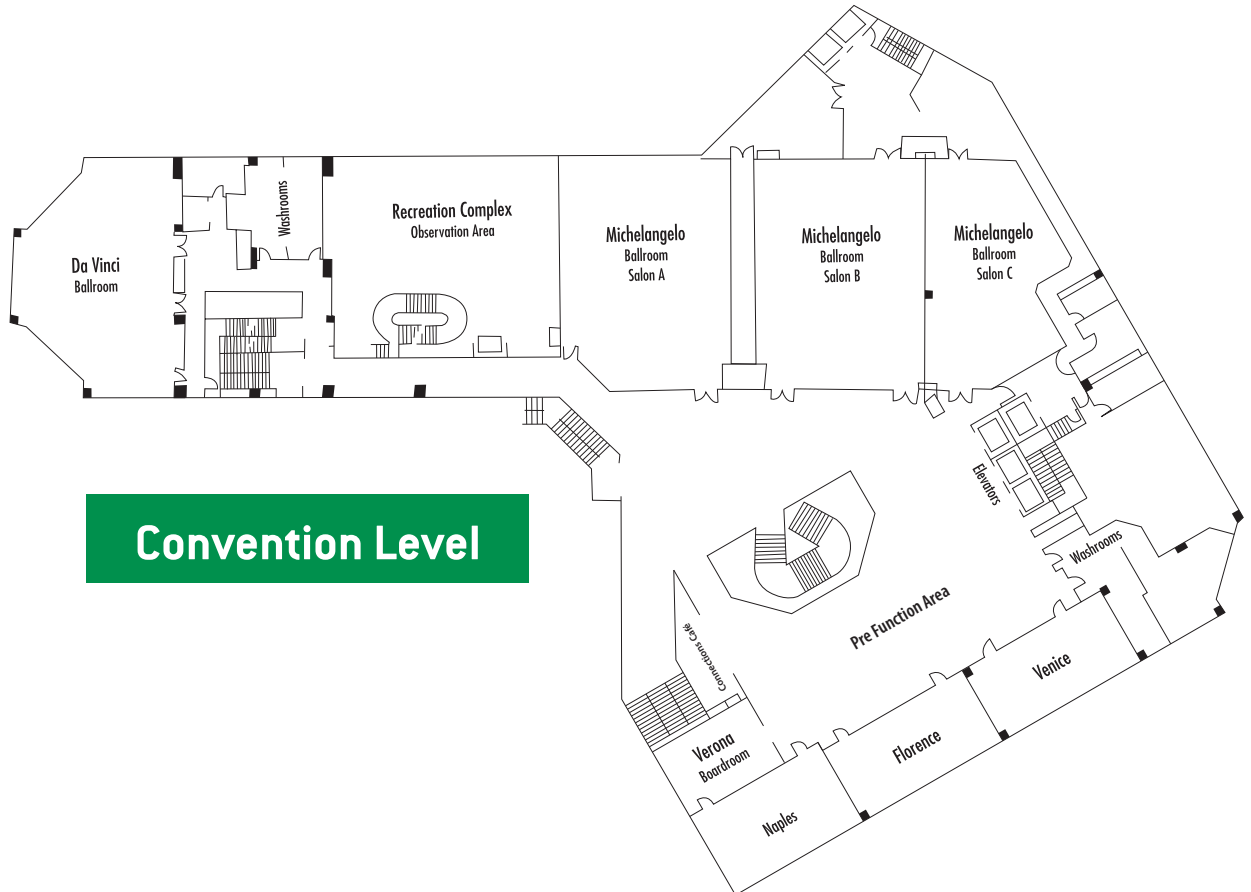
Radisson Floor Plan

Main Level

Waterworks
Recreation Complex

Kitchen

Aroma

Offices

To Underground   Parking

Front Desk

Lobby

Elevators

Picasso Room

Gift Shop

Business Centre

Mens

Ladies

Convention Level

Da Vinci
Ballroom

Washrooms

Recreation Complex
Observation Area

Michelangelo
Ballroom
Salon A

Michelangelo
Ballroom
Salon B

Michelangelo
Ballroom
Salon C

Elevators

Washrooms

Pre Function Area

Connections Café

Venice

Verona
Boardroom

Florence

Naples

⊱ Keynote Speaker

⊱ George Couros

April 30 | 8:45 – 10:00 a.m.

The Innovator's Mindset

Carol Dweck's work has focused on the ideas of "fixed" and "growth" mindset, yet educators will need to go a step further with these notions to create the learning opportunities that our students and schools deserve. We need to focus not only what we know, but what we do with what we know. In this talk, George will discuss the idea and characteristics of "The Innovator's Mindset" (as discussed in the book of the same title), and share powerful examples on why this is so crucial for all educators.

May 1 | 8:45 – 9:45 a.m.

Leading Innovative Teaching and Learning

Although schools are moving forward, change is always something that many struggle with. Focusing on an innovator's mindset and our "why", this workshop is meant for leaders to help others within their organization not only accept change, but embrace it, to create better powerful learning opportunities for our learners. It is not focused on the "how to" of technology, but the conversations that will help staff move forward in a way where they will be excited and feel supported in their journey.

⇒ Concurrent Sessions

Monday, April 30

⇒ 10:20 – 11:20 a.m.

Creating Blended Learning Environments | George Couros

An online component should not be "blended", but the norm in our classrooms. In our world that is extremely connected and digital, learning to create different opportunities to use online resources is extremely helpful for creating innovative learning environments that really tap into and create a true learning community. In this session, ideas will be shared to build upon for your own classrooms using different online mediums that are "real world" for our students.

Creating and Using Digital Indigenous Content | Sarah Thompson

This session will focus on our Digital Indigenous Content initiative at Treaty Six Education Council. Over the past year, we've embarked on a new program to create culturally-relevant education content that we can use with students in our classrooms. We want our students to have access to more digital content, especially content that reflects their culture, language and history. Students engage and connect best to content that's relevant and familiar. We wanted to take our community and educational resources and use them to build great digital content that can help our students learn.

We will talk about our journey of working with a partner, Learning Bird, to gather our materials, convey our goals and collaboratively build content that will help our students connect to their language, culture and history. We'll also show you how we are using this content in our classrooms to enhance instruction for all students.

This session will present our collaboration process, and discuss our findings and some of the lessons we learned along the way as well as some of the examples of content that we created and are using in our classrooms today.

Pace, Place, Time: Using Flexible Design and Delivery to Support Learners | Ramona Stillar, Carlo Hansen

What is the experience of teachers when they are required to explore alternatives in time, pace or place of learning? This was the research question proposed by the winners of the McDowell Foundation Research Project of the Year. Teachers from John Paul II Collegiate will share how they transformed their school through blended learning and participation in teacher action research by changing both the learning environment and instructional delivery options available for grade 8 to 12 students.
Participants in this session will:

- participate in activating, dialogue, and summarizing strategies to understand the goals and outcomes of the action research project;
- hear how teachers interpreted and implemented blended learning;
- hear how students and parents responded to changing practice;
- hear how to support teachers to embrace change and transform practice; and
- have the opportunity to ask questions and think about how to apply greater flexibility for learning in their own context.

App Smashing Using SeeSaw in the Classroom | Daygen Strom, Tracy Gaudet

Seesaw is a student driven digital portfolio that empowers students and engages families. In this session, you will discover ways to creatively use multiple apps with Seesaw to give students the opportunity to be more

creative in the classroom using technology as a medium. This session will provide examples of different ways students have used technology to demonstrate their knowledge of the outcomes taught in the classroom. Some of the apps that will be present and have been used in conjunction with Seesaw are Draw and Tell, Comic Life, Book Creator and Telestory. This session will cover some tips and tricks that were learned over the years to make Seesaw easier. The ideas shared in this session are easily adaptable for use with students from Kindergarten to Grade 8.

Please note: This is not an in-depth guide to setting up Seesaw in the classroom.

Streaming Presenters and Provincial Events | Ryan Kobelsky

Learn how easy it is to setup and stream any event happening from your school, with an emphasis on provincial level events and special presenters.

Top 10 Wi-Fi Considerations to Support Digital Learning | Troy Martin

This session will explore the top 10 considerations when implementing a Wi-Fi network to support digital learning initiatives. We will discuss common WLAN myths and pitfalls – how to avoid them in the first place and/or strategies to mitigate if they already exist in your environment. There are many aspects to consider, right from initial planning and design work – knowing which questions to ask is one of the first steps we'll discuss. Enterprise Wi-Fi is a "feature rich" solution, but when improperly configured, these features can cause more harm than benefit. Strategies for securely onboarding, connecting and monitoring the myriad of new devices brought into schools on a weekly basis will be dissected and compared. Finally, once the network is up and running, we'll look at ways to continually test and ensure your WLAN infrastructure is meeting the needs of your users today and into the future.

⌲ 11:30 a.m. – 12:30 p.m.

Minecraft in the Math Classroom | Dean Vendramin

Minecraft can be and is a powerful learning tool. In this presentation, we will look at its learning implications, how to incorporate it, student examples, how-tos and more.

Feedforward: Formative Assessment in Online Learning | Racquel Biem

Formative assessment can seem daunting to apply in online learning environments. In this session we will look at online formative strategies to give effective feedback in an online course.

Start:\ Coding | Bill Kapphahn

Robotics and coding in education have been picking up S.T.E.A.M. in recent years. The provincial government has taken on the development of a robotics and coding curriculum for high school and middle years and the federal government is investing financially in the development of coding and computational thinking skills for our students through their CanCode grants.

SaskCode is a program run by the Saskatoon Industry-Education Council whose purpose is to equip teachers to infuse coding and computational thinking into their lessons so that students can learn these valuable skills. Come and learn about why coding matters and what SaskCode has to offer to get your class coding!

Sketchnoting – Making the Verbal Visual | Deighan Remoundos, Megan Hernberg

Join us for an activity-filled session where we will learn and play with high-tech and low-tech sketchnoting techniques. Teachers will have an opportunity to experiment with techniques and leave with tools to use in classrooms to increase engagement and comprehension across subject areas.

The Google Journey: From Windows to Chromebooks | Rob Geiger

Canadian K-12 schools purchased more Chromebooks last year than all other computing devices combined. If this trend continues, Microsoft and Apple products will not be the dominant players in education technology. The paradigms, they are a-shifting.

But switching from Windows to Chromebooks isn't as simple as just handing out Chromebooks to kids. There are challenges that need to be addressed and if you really want Chromebooks to shine, you need to consider adopting other Google products like G Suite. Fortunately, these challenges are easily mitigated with some planning and professional development.

This session will explore the financial, educational, and technical pros and cons to consider when implementing Chromebooks and other Google products.

Mathology.ca: Your Curriculum Connection for Teaching Math | Gerry Varty, Jeff Adams

Teaching Mathematics has never been so challenging yet so rewarding! More so now than ever it is critical to help teachers plan for success in early mathematics, while encouraging young students to see themselves as confident, capable mathematicians. With the help of educators across Canada, Pearson is developing a mathematics platform that will support teachers as they search for engaging, appropriate lessons, plan for success, assess and track student progress more easily and enjoy in-the-moment professional learning from respected mathematics experts.

1:50 – 2:50 p.m.

Your Digital Footprint | George Couros

We all have a digital footprint, as do our schools and organizations. "Googling" ourselves makes this apparent whether we have had any say in it or not. As individuals and as schools, what can we do to actually shape this footprint? With open sharing of our learning, a digital footprint can easily be developed for either an individual, school or organization. This is not about branding so much as it is about modeling for our students that we are learners along with them.

It's Easy Being Green | Lauren Tessier, Gwen Neudorf

Green screening is an easy, motivational tool in the classroom to improve student engagement as they progress through curricular outcomes in all subject areas. Participants will be shown examples of how to use green screen in their Kindergarten to Grade 8 classroom. This session will focus on green screening through the use of We Video (Chromebooks and iPads), and Do Ink (iPads), however, the presentation could be applied to other green screen tools. Participants will leave this session with multiple examples and exemplars to use within their own classrooms across the curriculum. This session will include hands-on experience using Chromebooks, iPads, and a green screen (provided). It is easy being green!

Using Podcasts as a Form of Representing | Scott St. Pierre

In one hour, Scott will walk the room through the three stages of producing a podcast to complete an English language arts assignment; from planning through publishing. While specific focus will be on using other forms of representing in English language arts, the process could be used in many other situations to allow students another way to demonstrate understanding of an outcome, as well as help meet the Broad Areas of Learning and Cross-Curricular Competencies.

It's More Than a Checklist | Shelby Budd

Online learning has historically been designed to provide students with knowledge or experiences as a means to check things off a list that results in a credit. This process can reduce the "teachers" of these courses to markers

or granters of check marks and can reduce learning to hoop jumping. As you can imagine, many issues can present themselves when we reduce online learning to this kind of interaction with students.

Over the last two years we have been working to change both this definition of online learning and the experience for our teachers and learners. By modifying the design of our courses and the tools we use to deliver them, we are able to embed formative assessment throughout student learning. This acts as a foundation for supporting students in their learning, and allowing them to experience an environment that focuses on the process of learning instead of the product. This session will explore the changes we have made to enable our courses to be process focused by centering formative assessment, as well as look specifically at some of the tools which supports this work.

Ministry of Education Technology Round Table | Myrna Martyniuk, Ron Lawson

Saskatchewan's technology infrastructure, applications, management and associated services continue to change. This round table session will provide an update from the Ministry of Education regarding new developments, opportunities, and challenges from a provincial perspective, while providing opportunity for sector partners to share local developments, experiences and challenges. Sector needs and priorities may be identified, generating recommendations and next steps for the ministry and sector to pursue.

Sangha: Parent Communication Platform | Drew Carmichael

Don't miss Scholantis talk about their parent communication platform, Sangha. This brand-new app reinvents the way a school or district connects, informs and interacts with parents. It allows teachers and admin staff to send forms, events or parent-teacher meetings and take payments or donations in minutes. All information is personalized to each student and features two-way parent messaging. Created to help simply tasks for everyone in your district, Sangha is the new app to watch out for.

3:00 – 4:00 p.m.

SPDU – Online Professional Development | Lindsay Shaw, Racquel Biem

In this session participants will engage in a reflection surrounding our first distance learning workshop. Throughout our time we will briefly talk about principles, guidelines, and benchmarks for online education, reflect on student perspectives of online education, and engage with effective tools throughout the workshop to engage distance learners. In addition, we will look at where SPDU is taking online and distributed learning in the future.

Tinkering with 3D Creation and Printing | Ron Fines

3D Printing technology is becoming more prevalent in our everyday lives. We are printing everything from prosthetic limbs, concept cars, drones, houses, food and skin. People are creating their own models and printing them.

In this workshop, Ron will walk you through the 3D creation and printing process. He will start out by showcasing some of the free 3D creation software he has used in the classroom and give examples of how he has used it and how it can be useful. He will also demonstrate the software Tinkercad that he finds particularly practical. He will show you how a model is created, then exported for printing.

Once a model is created and exported it's time to print. Ron will demonstrate the printer software and show the printer in action as well as discuss getting a program started at your school or division.

So, if you are wondering what 3D printing is or want to start a 3D creation and printing program in your school or division, this is the workshop for you.

Formative Assessment in the Digital Age | Genna Rodriguez

Want to learn more about the power of digital platforms for formative assessment? Engage with different tools, and explore how to enhance our assessment practices and act on the data to improve student learning. Explore strategies and experiences gained from teachers on using these powerful tools for learning. Leave with a collaboratively created resource of recommended professional readings, strategies, considerations, tools and materials. Have questions/curiosities you want explored/addressed as a group? Please take some time to fill out this form: http://bit.ly/FAdigital

Desmos for School Mathematics | Michelle Naidu

Still dedicating precious teacher hours and dollars to buying/charging/managing graphing calculators and teaching students how to use them? Wondering about graphing calculators in middle years? Come see how desmos can simplify and improve how and why students use graphing calculators. Participants will get a very quick overview of some key desmos features that promote inquiry and exploration. Participants will also explore how the desmos activity builder can support exploration, deeper learning and assessment in the mathematics classroom. Please bring a laptop or tablet for maximum session enjoyment.

Tuesday, May 1

▷ 10:05 – 11:05 a.m.

Blogging as Professional and Student Portfolio | George Couros

Blogging has become a tool that is used often in the classroom, but has also become a valuable tool for educators to use in their own professional learning. Aligning with Teaching Standards, this session will show you how to create a professional portfolio that will be invaluable for sharing, connecting, and reflecting on teaching practice. #blogasportfolio

Digital Citizenship – When Should We Start the Conversation? | Nicole Reeve, Amy Singh

When is the right time to teach our students how to be positive digital citizens? What tools do they need? How do we support them in the online world? In this session we will talk about when to begin the discussion around digital citizenship in the classroom. Looking at ways to start the digital citizenship conversation with students as young as kindergarten. The discussion will revolve around how to incorporate digital citizenship into primary classrooms as well as how to support your colleagues who are unsure how digital citizenship can fit into their teaching practice. Plus Q & A time for practical application in a classroom setting.

Meet the 'Bots | Evan Cole

Introducing coding and computational thinking in your classroom doesn't need to be an add-on or an extracurricular activity. Come and learn about a few of the robots that you can use in your classroom to infuse these activities into your lessons. We will look at how Robot Mouse (Kindergarten-Grade 2), Ozobot (grades 3-4), and Edison (grades 5-6) can be used to help your students meet curricular outcomes while developing transferable skills where students can show their thinking.

Can't make the session? Want to go a bit deeper in implementing coding activities in your classroom? Come visit the robot corner of the IT Summit Makerspace to get hands-on with these 'bots.

Regina Catholic School Division's Connected Educator Project: Connecting Teaching and Igniting Digital Integration for K-12 | Jennifer Stewart-Mitchell, Bart Cote, Scott Fossenier

In the fall of 2016, the Regina Catholic Division embarked on a project to bring 1:1 technology to K-12 classrooms. Come hear how the initiative developed, how it was launched, how teachers are becoming learning

catalysts and empowered professionals, and how technology is transforming and connecting our students in their learning.

Securing the Internet in Canada – How CIRA is Providing Security for Classrooms, Busses and Common Areas | Shawn Beaton

At CIRA (The Canadian Internet Registration Authority), in addition to running the .CA registry for Canada, we also have a global DNS cloud infrastructure that we have been making available to Canadian organizations. Over the last three years we have launched two services; D-Zone Anycast Secondary DNS (primary authoritative backup DNS) and our latest service D-Zone DNS Firewall, which is a recursive DNS firewall protecting against malware, phishing and ransomware for your network users. As a not for profit, CIRA is able to provide world-class DNS infrastructure services at a fraction of the cost of similar for profit services. CIRA supports Canadians data sovereignty/ residency, as we deploy all of our domestic nodes at Canadian IXPs (Internet Exchange Points) across the country. This presentation will take an in depth look at the internet in Canada, focusing on the cybersecurity threat landscape - featuring security trends in education in this country.

All Hands Up, All Voices Heard: Total Participation with SMART Learning Suite | Allyson Kane

Come learn how to integrate Total Participation Techniques (TPT) into the classroom using SMART Learning Suite technology. We will discuss and create activities that can be used right away to create a culture of active, visible learning. This session was designed to provide the most benefit for classroom teachers, school-based leaders, and teacher-librarians. Technicians and consultants are also invited if they'd like to see SMART Learning Suite in action!

⯈ 11:30 a.m. – 12:30 p.m.

Creating Amazing Presentations With Keynote [for Mac] | George Couros

George will walk you through some of the steps to make a compelling talk through Keynote software on Mac. If you lecture or give presentations, this will definitely help out with the ins and outs of making a compelling presentation. (NOTE: A Mac with Keynote is the software being used, but all welcome to attend.)

Services, Resources and Supports for Your Planning Needs | Joanna Sanders, Elgin Bunston

Looking for learning resources and online tools to make your lesson and unit planning easier? Over the past year, the Ministry has worked to provide additional services and resources to support the sector. Some resources that will be shared include supporting truth and reconciliation, differentiating instruction, working with newcomers and EAL students, planning for assessments, among others. Other online tools will be demonstrated to support collaboration and resource sharing amongst teachers. Come and see what's new and have the opportunity to ask questions to have your planning needs solved!

App Smashing With Indigenous Culture and Language | Denise Desjardins

This session will introduce the audience to the app smashing concept of combining multiple apps together to create a determined outcome. This creative approach will provide various cross-curricular avenues to incorporating Indigenous culture and language. With the support of Seesaw, the student-driven digital portfolio app, Denise will fully describe her Seesaw app smashing experiences within her Grade One/Two classroom. She will also explain how she used minimal resources and a tablet to create Waniska News, a Cree-language modified news team. Examples of augmented reality and book creations, intertwined within the journey of app smashing will also be a focus of interest.

As a beginning Cree language learner herself, Denise will provide a teacher-friendly approach to incorporating culture within a one-to-one tablet classroom.

#Making in School: Designing a Design Lab | Russell Munkler

The presenter is currently prototyping a design lab in his K-8 school. The focus is on understanding the engineering design process, with connections being made to science and literacy. The presentation will give an account of the #failforward journey so far, with tips for those who are interested in starting a design lab or makerspace in their school.

Leveraging Canada's NREN to Improve Education & Business Outcomes in K-12 Education |
Jim Bennett, Neil McClughan

CANARIE and its twelve 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 a member-driven, not-for-profit organization that provides advanced information technology and collaborative leadership to support education, research and innovation in Saskatchewan, and is Saskatchewan's partner with CANARIE.

This case study will discuss Greater Saskatoon Catholic Schools use of SRNET (Saskatchewan Research Network) and CANARIE (the National Research and Education Network) to aid education initiatives and support the business operations of the school division.

> ### 1:15 – 2:15 p.m.

Integrating Digital Tools in Balanced Literacy | Jennifer Stewart-Mitchell, Jodie Bray

The use of digital technology in literacy and English language arts instruction is becoming more critical to educators every day. These changes produce a need for a better understanding of how teachers can successfully integrate digital tools into their instruction and the strategies needed for effective implementation. The purpose of this session is to examine strategies for the meaningful integration of digital tools into Balanced Literacy, and to support teachers for ideas in the creation of "Tech Tasks". A framework for creating Tech Tasks will be explored, as with sample activities to illustrate the use of mobile devices and laptops to effectively support literacy instruction. Additionally, apps, tools and resources for supporting literacy instruction with technology will be shared.

Minecraft as an Innovative Support for High Needs Students | Keith Smith, Ron Wasser

What started as a small idea to engage a select group of students struggling with behavioural issues in our small, fly-in community grew into something much bigger. We'll share our story of how we have been using Minecraft in a variety of ways, and the multitude of positive effects it has had on students' engagement and learning at our school. The flexibility of the Minecraft program has enabled us to improve student interpersonal relationships, leadership skills, respect for classroom and equipment, cause effect procedure, pattern recognition, creativity, free flow of ideas in constrictive environments, peer tutoring support, and language skills such as verbal communication, written communication, reading, and typing in a very diverse and high needs group of students.

Using PowerBI and Azure Datawarehouse in K-12 | Deepak Kaushik, Jason Dunk

Development overview of SPSD's Azure Datawarehouse with PowerBI reporting (ff20 active reports). Explain our development path from on-premise warehouse to Azure, API migration, integration of PowerBI, report creation, rollout plan and flexibility of platform. Highlighting the challenges and lessons-learned along the way, along with short and long term next steps.

Using Technology to Support Reconciliation in Saskatchewan Schools | Susan Nedelcov-Anderson, Joanna Sanders

As part of the Government of Saskatchewan's response to the Truth and Reconciliation Commission's 94 Calls To Action, the Ministry of Education has been working on supplementary teaching resources to capture the residential schools experience. One of these resources is an online space called Supporting Reconciliation in Saskatchewan Schools. This interactive keynote will highlight some of the many resources that are shared on this site for the K-12 classroom as well as share ideas about different technology supported activities that teachers can use with their students to talk about reconciliation.

Concurrent Sessions

› Keynote Speaker

› George Couros

George is a leading educator in the area of innovative leadership, teaching and learning. He has worked with all levels of schools, from K-12 as a teacher, technology facilitator and school and district administrator. He is the author of the book, The Innovator's Mindset: Empower Learning, Unleash Talent, and Lead a Culture of Creativity. He is a sought-after speaker on the topic of innovative student learning and engagement and has worked with schools and organizations around the globe. George is also the creator of connectedprincipals.com, an initiative that brings educators and leaders together from around the world to create powerful learning opportunities for students.

Although George is a leader in the area of innovation, his focus is always on the development of leadership and people and what is best for learners. His belief that meaningful change happens when you first connect to people's hearts, is modelled in his writing and speaking. You can connect with George on his blog, The Principal of Change (georgecouros.ca/blog) or through Twitter @gcouros.

› Concurrent Sessions

Adams, Jeff

Jeff is the Director of Digital Solutions for Pearson Canada's K-12 Division. He has worked in educational technology for over 20 years, building and supporting many digital products for K-12 teachers and students. He is based in Toronto.

Beaton, Shawn

Currently in his fourth year with CIRA, Shawn brings 30-plus years of technology and business experience in the Telecommunications/IT sector while leading business development and sales. As a Technologist, his expertise is broad in scope, including work with education and research, health care, national and local government, local and global service providers, and enterprise communications infrastructure. Operationally, his experience on the ground with voice and data hardware/network and software design, support systems, and operations management gives him a unique perspective. More recently Shawn's area of focus has been in business development and the sale of complex technology

solutions to organizations in Canada and abroad. At CIRA, he is focused on developing B2B market opportunities and partnerships that support and align with CIRA's mandate to provide a secure, reliable and trusted internet, helping to build a better internet for Canadians in the process.

Bennett, Jim

Jim is Manager of Information Technology for the Greater Saskatoon Catholic Schools, has over 30 years of experience managing cross-functional technology teams deploying enterprise-scale projects, both domestically and internationally. Since joining the GSCS eight years ago, Jim has been bringing his knowledge of IT best practices, along with Agile and Lean Six Sigma methodologies to the Division to improve operations and efficiencies.

Through his time with the GSCS, Jim has been active provincially, working with various groups to improve the use and effectiveness of technology in K-12 education. He has sat as co-chair of the CommunityNet Sector Business Advisory group (five years) while

also holding a seat on the CommunityNet Sector Technology Advisory Group. He is currently Director of the Information Technology Working Group in the Saskatchewan Association of School Board Officials (SASBO) and is an active member of the Saskatchewan Education Technology Association (SETA).

In his free time, Jim loves spending his time playing with his three grandchildren and exploring his hobbies of woodworking, music and cooking.

Biem, Racquel

Racquel has been a teacher with the Chinook School Division for 19 years and has been an online teacher for the last eight years focusing on PAA courses, formative assessment, motivating the reluctant online learner, and research for student excellence in online learning environments.

Bray, Jodie

Jodie, BPAS, B.Ed., M.Ed., is English Language Arts Consultant with the Regina Catholic School Division who has taught from primary to high school, was a teacher-librarian and a vice-principal. She enjoys working with students to ignite their love for reading and writing.

Budd, Shelby

Shelby is principal of Chinook Cyber School. Shelby has been teaching for almost 20 years. With teaching experience in small and large schools along with her online teaching assignments, Shelby has spent the last 10 years trying to make online learning the best learning environment for students in Chinook School Division.

Bunston, Elgin

Elgin is part of the Sector Technologies and Network Services Unit with the Ministry of Education. His roles relevant to this conference include supporting users of Blackboard Learn, Bb Collaborate and other technologies offered by the Ministry. Elgin is a graduate of the Master of Library and Information Science program at Western University and has instructed different audiences on the use of online library resources in past librarian lives with various sectors (public, state and provincial).

Carmichael, Drew

Drew is CEO and co-founder of Scholantis. In the last 12 years, he has worked with many school districts to manage the requirements gathering, deployment, delivery and support of multiple large scale web projects across Canada. Since 2006, Drew has focused exclusively on the school district market, working with over 60 different school districts to successfully deploy web solutions in their environments.

Cole, Evan

Evan is a teacher, educational technologist, instructional designer, tech wizard and barbecue aficionado. He likes to help other people get better at what they do so that they can do amazing things. If you have a puzzle that needs solving, he would love to give you a hand with it.

Evan is interested in design thinking, maker education, learning management systems and escape rooms. His background is teaching high school mathematics, computer science and photography in Saskatoon. He recently completed a M.Ed. in Educational Technology and Design and is currently seconded to the SaskCode program from Saskatoon Public Schools to help introduce coding and computational thinking skills to Kindergarten-Grade 12 teachers and students. You can find Evan at @evandcole on your favourite social media network.

Cote, Bart

Bart, B.Ed., M.Ed., is presently Coordinator of Digital Design and Training with Regina Catholic Schools. His background of elementary and middle years education includes positions as teacher, technology coach and vice-principal. Bart has a passion for quality leadership and successful integration of technology into the 21st century classroom. He firmly believes that for technology to be used effectively, teachers must be open to understanding and embracing the fact that technology can allow the teacher to be more innovative and progressive in their pedagogy and therefore redefine student learning.

Desjardins, Denise

Denise has been teaching for 17 years and has the privilege to teach in her own First Nations community. She has had the opportunity to pilot a

one-to-one tablet learning project and is now an IT Catalyst Teacher for her school. She recently became a Seesaw Ambassador and is willing to share her ideas and routines that are used on an everyday basis. Denise understands the importance and need to incorporate First Nations content within learning and has found various technological ways of meeting these needs. She values her culture and language and continues to incorporate this passion within a cross-curricular teaching strategy.

Dunk, Jason

Jason is the Chief Technology Officer for Saskatoon Public Schools. He has leadership and administrative responsibility for all areas of technology including planning, procurement and integration. Saskatoon Public Schools is a growing division consisting of 24,000+ students across 60 schools and ~6,000 total staff utilizing ~16,000 devices. The Managed Information Services department consists of 22.5 FTE supporting 39,370 accounts in a hybrid Microsoft on-premise ADS infrastructure with O365 and GAFE options available to staff and students.

Jason has 20 years' experience in the K12 Technology vertical, consulting and implementing solutions for school divisions across Canada, 12 years as IT Architect with IBM Canada's K12 Education division and 5 years at Lloydminster Public School Division managing their technology. He also has a wide array of technical and project experience including 1:1 initiatives, server consolidation/virtualization and rollouts in excess of 20,000 devices.

Fines, Ron

Ron has been a teacher in Saskatchewan Rivers Public School Division for 20 years and for 15 of those years he instructed technology. Throughout his career, he has taught technology to students from grades K-12. Ron has been the Middle Years/Technology Coach in Saskatchewan Rivers Public School Division for two years now.

In the role of Middle Years/Technology Coach Ron gets to travel around to 32 schools and collaborate with teachers to ensure that they get what they need to integrate technology into their students' curriculum. From mentoring, modeling, team teaching or answering questions, Ron helps the teacher get what they need to move forward. This role has allowed him to study many of the new technologies emerging. One

of Ron's current passion areas is in 3D creation, and with the arrival of five library 3D printers introduced to SaskRivers last year in addition to school owned printers, he has been busy supporting teachers and students from first plug in to completed projects using SketchUp, Tinkercad, 3D Builder and sculpting applications such as Sculptfab, Leopoly and Sculpt GL.

Fossenier, Scott

Scott is the Supervisor for Information Technology for the Regina Catholic School Division and has been part of the division since 1999. As an alumni of Saskatchewan Polytechnic, Scott holds many certifications and is passionate about making digital dreams come true for the staff and students.

Gaudet, Tracy

Tracy is an elementary school teacher in the Saskatchewan Rivers Public School Division in Prince Albert. She has been teaching for 20 years and is currently teaching Grade 2. She has been using Seesaw in the classroom for the past year and a half. Through working with the technology coach in her school, she has gone beyond the basics of Seesaw and used various apps to creatively integrate technology into the classroom to meet curricular outcomes. She believes that by utilizing technology through hands-on activities, and cooperative learning, she can promote a love for learning at an early age. Education should be fun, exciting and challenging, allowing students to be engaged and motivated in the learning process.

Geiger, Rob

Over his 25-year career in education, Rob has been a classroom teacher, technology consultant, catalyst teacher, teacher association president, school principal and IT manager. He really can't seem to stick to any one job for more than a few years...

Hansen, Carlo

Carlo is the Principal at John Paul II Collegiate in North Battleford. Carlo has 20-plus years teaching and administration in both Canada and Malaysia.

Hernberg, Megan

Megan is a teacher-librarian with Saskatoon Public Schools and a Professional Development Councillor with the Saskatchewan School Library Association.

Megan loves learning, collaborating and technology, and she is looking forward to learning with you. (hernbergm@me.com).

Kane, Allyson

Allyson is a Professional Development Specialist with SMART Technologies. Based out of Chicago, Illinois, Allyson travels frequently across the United States and Canada to train teaching staff on how to best implement SMART Learning Suite. Previously being a teacher herself, Allyson understands what teachers will find most useful to facilitate collaboration and participation using SMART Learning Suite. Allyson is a big sports fan and loves to find the best running spots in each city she visits.

Kaushik, Deepak

Deepak is a Microsoft MVP and C# Corner MVP. He is currently working on architecting and building solutions around Microsoft Azure, Cloud Computing and Power BI. He is passionate about technology and comes from a development background. He has also led various projects in the Infrastructure as a Service (IaaS) and Platform as a Service (PaaS).

Deepak is currently working on migration of 'On-Prem' Data Warehouse to Azure SQL Data Warehouse and POWER BI reports with Saskatoon Public Schools. His breadth and depth of knowledge have enabled him to lead the development of various products/solutions around Microsoft Azure and Artificial Intelligence. Deepak is a knowledgeable and sought-after speaker within IT circles.

Deepak founded Regina/Saskatchewan "C# Corner Chapter/ User Group" in 2016 in the Regina/Saskatchewan area where he organizes regular meetups and webinars. You could find his Sessions/Recordings at https://channel9.msdn.com – Channel9, C# Corner and Deepak Kaushik - Microsoft MVP YouTube Channel.

Blog: https://deepak-kaushik.com/

Twitter: @ThinkForDeepak

LinkedIn: https://www.linkedin.com/in/davekaushik/

Kobelsky, Ryan

Ryan has streamed a variety of events from across the province including eight provincial volleyball tournaments, international football and hockey games and has branched into streaming presentations for students and staff alike. Learn how easy it is to highlight events at your schools using streaming video!

Lawson, Ron

Ron is Manager of Technologies 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-plus years focused on supporting education systems in Saskatchewan.

Martin, Troy

Troy is a Lead Systems Engineer at Aerohive Networks, specializing in cloud-based networking. He is an industry leading Wi-Fi educator, and in addition to teaching others how Wi-Fi works, he spends time designing, provisioning, and troubleshooting WLAN networks. Prior to joining Aerohive, Troy provided Wi-Fi consulting across multiple verticals including service provider, pharmaceutical, education and industrial environments such as mines, refineries and chemical plants. Simply put, he is passionate about bringing the magic of Wi-Fi to the people. Troy is a P.Eng. who holds a bachelor's degree from the University of Saskatchewan in both electrical engineering and computer science.

Martyniuk, Myrna

Myrna is Director, Sector Technologies and Network Services in the Ministry of Education. She has worked within the education system for over 30 years, and has spent the last 20 managing and supporting educational networks, technologies and applications on behalf of the sector.

McClughan, Neil

Neil is the President/CEO of SRNET (Saskatchewan Research Network Inc.), Saskatchewan's member of Canada's National Research and Education Network. Prior to joining SRNET at the end of 2014, Neil was a partner in a management consulting firm and previous to that spent 31 years in the telecom industry working provincially, nationally and internationally. Neil is passionate about fostering greater collaboration across the education, research and innovation sectors to serve as a catalyst for improved capability and technological innovation in

the province, increasing the effectiveness of distance learning, and fostering additional cooperative research between industry, post-secondary institutions and government - ultimately making the spend in these sectors more effective.

Munkler, Russell

Russell is currently Teacher-Librarian, Design Lab Teacher, and Grade 7 Teacher at Caroline Robins School in Saskatoon. In the past he has worked as an Educational Consultant in Technology for Saskatoon Public and Horizon School Divisions as well as teaching at a number of grade levels. He is interested in the Maker Movement, Design Thinking and coding and robotics.

Naidu, Michelle

Michelle is an Associate Director with the Saskatchewan Professional Development Unit. Her main areas of professional interest include, but are certainly not limited to, mathematics, French Immersion and all things social justice and equity related. She'd love to talk to you about the intersection of all three. Michelle is active in several online communities, and is the current president of the Saskatchewan Mathematics Teachers' Society. Beware! Any long conversation with her may end with you presenting at one of the many conferences she organizes (she certainly hopes so).

Nedelcov-Anderson, Susan

Susan is currently serving as the Assistant Deputy Minister for the Saskatchewan Ministry of Education. Susan has 25 years of experience in school divisions in various roles, including teacher, administrator and curriculum coordinator. She joined the Ministry of Education in 2013 as the Director of Curriculum.

Neudorf, Gwen

Gwen Neudorf is an elementary school teacher for the Saskatchewan Rivers School Division in Prince Albert. In her 23 years of teaching, she has seen many changes in education, but none more significant than the changes that technology has brought to the classroom. Gwen has been part of a team called Curriculum and Technology in the Saskatchewan Rivers School Division for the past 14 years and a kindergarten to Grade 8 English Language Arts and Technology School Coach for the past six years

at Osborne Public School. Her goal is to empower teachers and students to prepare for the future involving digital citizenship and the use of technology.

Reeve, Nicole

Nicole is currently a Grade 2 teacher at MacNeill School in Regina, Saskatchewan. She has worked in Grade 2 for six years and has also taught Grades 4 and 7 along the way. Prior to working in Regina, Nicole worked in Estevan at Pleasantdale School. Currently she is working on her Masters in Curriculum and Instruction. She has a passion for technology in the classrooms and works daily to ensure her students are prepared for life in the digital age.

Remoundos, Deighan

Deighan has over 10 years' experience as a teacher and is currently an instructional consultant with Saskatoon Public Schools. She is also a member of the Saskatchewan Teachers' Federation Provincial Facilitator Community.

Rodriguez, Genna

Genna, B.Ed, M.Ed., is Teacher Technology Coach with 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.

Sanders, Joanna

Joanna is currently serving as Digital Fluency Consultant for the Saskatchewan Ministry of Education. Before joining government, Joanna was a French immersion teacher with Regina Public Schools. She is a recipient of the Prime Minister's Awards for Teaching Excellence as well as a Google Certified Innovator and a YouTube Star Teacher. In 2016, she was named as one of CBC Saskatchewan's Future 40 in recognition of her leadership in the areas of digital literacy and digital citizenship education in the province.

Singh, Amy

Amy is an educator who holds a strong belief that all teachers should embrace the opportunity to be 21st century educators, and she is currently utilizing her

role and knowledge of the digital realm to engage with staff and students whenever possible. Amy has worked as Teacher-Librarian/Specialist with Regina Public Schools since 2010. She is currently a member of the Dr. Hanna school community. Amy completed her Masters of Education in Curriculum and Instruction in 2017.

Shaw, Lindsay

Lindsay is an Associate Director of the Saskatchewan Professional Development Unit (SPDU) as part of the Saskatchewan Teachers' Federation. A large part of her work with SPDU is in the world of online and distributed learning. Lindsay's background with online comes from working as an online teacher with Prairie South Virtual School part-time for four years while simultaneously teaching senior science and math in a face-to-face environment with Prairie South School Division where technology was embedded on a daily basis. Lindsay's hope is to educate teachers and school divisions on how to leverage technology in their classrooms as well to see the strength of online education when it is done well to meet the needs of all students.

Smith, Keith

Keith grew up in the small town of Arkona, Ontario (pop. 800). He completed concurrent Bachelors of Mathematics/B.Ed. program through University of Windsor and is currently teaching his second year in Father Megret High School in Wollaston Lake. Keith is working towards his SMART technologies trainer certification to help strengthen the technological presence and proficiency at Father Megret High School.

Stewart-Mitchell, Jennifer

Jennifer, B.A., B.Ed., M.Ed., is a passionate teacher and Digital Fluency Consultant with the Regina Catholic School Division with a background in middle years, and as a teacher- librarian. She has a passion for inquiry-based learning, digital learning, and helping students share their voice in the online world.

Stillar, Ramona

Ramona is Projects Coordinator in Light of Christ Catholic School Division. Over her 20 plus years of teaching she has been a French Immersion teacher, consultant, administrator, and coordinator in Alberta and Saskatchewan.

St. Pierre, Scott

By day, Scott runs the Online Learning Centre for the Saskatoon Public Schools. In his free time, Scott is the producer for the award winning podcast channel Rob Has a Podcast and managing partner on the spin-off channel Reality TV RHAPups. Scott brings these two passions together to provide teachers and students other forms of demonstrating understanding of curricular outcomes as well as move students from being consumers to being creators of content.

Strom, Daygen

Daygen has been a Grade 6 teacher in the Saskatchewan Rivers Public School Division in Prince Albert since 2013. Daygen has a passion for getting students excited about their work by utilizing the abundance of technology available in her school. She has differentiated the way students are demonstrating their knowledge of outcomes by using various programs on computers, Chromebook, and iPads. Daygen continually strives to discover exciting ways to authentically integrate technology into the curriculum and enhance the learning process.

Tessier, Lauren

Lauren is a middle school teacher for Saskatchewan Rivers School Division in Prince Albert; she has taught for six years and actively works within her school as a technology coach. Her job is to assist teachers to incorporate and use technology in their everyday teaching. She works with all grades from Kindergarten to Grade 8. Lauren has been part of numerous initiatives within her division to help implement the use of technology. The school division has a strong focus on creating digital citizens and Lauren has been part of incorporating this initiative within the schools.

Thompson, Sarah

Sarah is IT Learning Support Coordinator with Treaty Six Education Council. She mentors educators through the use of iPads, computers, SMART Boards, coding and unplugged activities to engage students. She is an advocate of global projects such as the Global Read Aloud, Hour of Code, Mystery Skypes, and the Canadian Teachers' Federation Imagine-Action projects. Previously, Sarah transitioned from a classroom teacher to a catalyst position with a

focus on math and literacy. Sarah is passionate about breaking down the barriers that students and teachers have towards technology.

Varty, Gerry

Gerry has over 34 years of experience in education as an assistant superintendent, Kindergarten to Grade 9 principal and a classroom teacher in a variety of subjects. He was recognized as an Alberta Excellence in Teaching finalist and received a Distinguished Leadership Award.

In recent years, his focus has been on working with effective school and district leadership, building learning communities and new teacher induction and development, which he sees as building blocks for creating the cultures that support and sustain excellence at all levels. Gerry is a dual-degree graduate of the University of Calgary and holds a master's degree (with Distinction) in educational leadership from City University Seattle.

Vendramin, Dean

Dean has taught for over 20 years and continues to look for ways to get better and provide new and innovative opportunities for his students. One way he has done this is to incorporate Minecraft into his classroom. He is a Minecraft Global Mentor. You can learn more about Dean on his eportfolio/blog deanvendramin.weebly.com or follow him on Twitter @vendi55.

Wasser, Ron

Ron is a trained math and science teacher with three years' experience teaching in China and is currently in his second year as Special Education Resource Teacher in Wollaston Lake. Ron likes to include technology in what he does and has worked with the staff at Father Megret High School to increase the available technology in the school for student and staff usage. He believes that every student should be taught the how, why and way to use technology to interact with the modern world.

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