



KEYNOTE

LAUNCH Into Design Thinking



John Spencer

Despite the myth of “digital natives,” most of my students have very little experience using technology as anything more than a consumer device. It doesn’t have to be this way. By using a design thinking framework, teachers can foster creative thinking in every content area. I walk participants through the LAUNCH Cycle, offering practical tips and specific examples. Participants leave feeling inspired, challenged and empowered to create spaces where creativity thrives.

In addition to the Keynote, John will present a Spotlight Session - This Is The Future of Learning during Session 3.

BREAKOUT SESSIONS

Session 1 10:15 - 11:10 AM

NOTE: Repeat sessions are noted in the first occurrence of a session.

SESSION: 1A-2A (Double)

TITLE: Coding and Computational Thinking in the Classroom

PRESENTER: Leah Obach & Devon Caldwell

Engaging learners in coding and computational thinking activities can promote the development of important skills, giving students a foundation for success in their current learning and in their futures. Find out how coding and computational thinking can be introduced, using a variety of student-friendly activities and tools. Enjoy some hands-on time to try out classroom activities and tools, so you can go back to your classroom equipped with ideas to infuse!

PREREQUISITES: basic technology skills

AUDIENCE: Early Years, Middle Years

SESSION: 1B, repeat in 4B

TITLE: Journey 2050 - Feeding the World!

PRESENTER: Kent Lewarne

How will we feed a population estimated to approach 10 billion people by the year 2050? Gameify your science and social studies lessons with Journey 2050. This interactive farming simulation allows students to learn about the pillars of sustainability in three countries - Kenya, India and Canada! Great fit in Grade 10 Science and Geography but appropriate for grade 7 and higher. Game can be played online at [Journey 2050.com](http://Journey2050.com).

PREREQUISITES: None

AUDIENCE: Middle Years, Senior Years

FOCUS AREA: Grade 10 Science and Social Studies

SESSION: 1C-2C (Double)

TITLE: Googly Goodness for Educators

PRESENTER: Phil Taylor

If you're an educator who is using Google tools in the classroom, you will have noticed many improvements and features were added to G Suite for Education over the summer. This session will explore the changes and enhancements made to Google Classroom, Google Sites, as well as enhancements made to free Applied Digital Skills Curriculum which is suitable for all subject areas in Middle and High School. I will also share some of my favourite practical tips and tricks such as taking advantage of the Explore feature found in many G Suite tools.

PREREQUISITES: Familiarity with some Google for Education Tools such as: Docs, Sheets, Forms, Slides, New Google Sites and a gmail and or Google for Education account.

AUDIENCE: Middle Years, Senior Years

SESSION: 1D, repeat in 3D

TITLE: Why I Replaced Myself With a Machine

PRESENTER: Kirsten Thompson

"Never send a human to do a machine's job". Let technology do what it can do within your learning context and allow it to free up your time to really focus on those aspects of teaching that you wish you had more time to do. This session will facilitate reflection on what aspects of your teaching are replaceable and then share how you can do it! Attendees are left with opportunities to increase individualized face-to-face time with their students.

PREREQUISITES: NA

AUDIENCE: K-12, Administration

SESSION: 1E, repeat in 3E

TITLE: Five Secret Ways to Immunize your Students against FAKE NEWS, Alternative Facts, and Click Bait!!

PRESENTER: Cheryl Prokopanko and Rosalind Robb

Do you want to help your students develop a resistance to fake news that boosts their ability to think critically about what they see, read, and hear in the news media and in social media? Uncover how the drama and believability of fake news is constructed to earn money and generate power and influence for its creators. During this session you will have the opportunity to activate your awareness of the difference between fact and fabrication encountered on the Internet, and acquire teaching strategies that infuse critical thinking and the Ethics and Responsibility descriptors of LwICT in your curriculum from K-12. Bring your own laptop, tablet, or smartphone.

PREREQUISITES: none

AUDIENCE: Early Years, Middle Years, Senior Years, K-12, Administration

FOCUS AREA: Literacy with ICT across the Curriculum, ELA, Social Studies

SESSION: 1F-2F (Double), repeat in 3F-4F

TITLE: Technology and Special Needs

PRESENTER: Albert Krynski

An overview of programs and some equipment that is used within the Life-Skills classroom. Programs will be online, and cd-based with a focus on literacy and numeracy. Some programs may have sensory and wellness applications.

PREREQUISITES: none

AUDIENCE: K-12, Special Needs

FOCUS AREA: literacy/numeracy/wellness

SESSION: 1G

TITLE: G Suite - What's New in 2019

PRESENTER: Troy Sigvaldason

Overview of some new offerings in the G Suite for Education world as well as updates on some existing solutions that are focused around classroom tasks, staff efficiencies and cool gadgets. From Docs to Expeditions to Chrome in general and everything in between, I'll be ready to answer any questions you may have and put you in touch with a resource to help answer those questions!

PREREQUISITES: Beginner - Advanced

AUDIENCE: K-12, Administration

FOCUS AREA: Utilizing the resources around you.

SESSION: 1H

TITLE: Creativity and Computational Thinking

PRESENTER: David Wall

Application and assessment of creativity and computational thinking using art and math.

PREREQUISITES: no

AUDIENCE: Early Years, Middle Years

SESSION: 1I

TITLE: Using SeeSaw to Enhance Learning in the Early Years

PRESENTER: Darin Arnold & Keri-Lynne Bacon

SeeSaw is a digital portfolio, but can be an extremely powerful tool for learning when used to have students reflect on their learning. This session will cover how SeeSaw is used as a reflection tool in an early years classroom, and cover powerful ways to encourage the students to reflect on their learning. Through SeeSaw, students will reflect using voice recordings, annotating on their artifacts and using labels and captions. The 4 C's are used as the framework for student reflection, encouraging Critical Thinking, Creativity, Collaboration and Communication. Darin is the Technology Coach for the Portage la Prairie School Division and Keri-Lynne is a Grade 1/2 Teacher in the Portage la Prairie School Division.

PREREQUISITES: Participants should be familiar with SeeSaw, as well as bringing a device that has SeeSaw installed.

AUDIENCE: Early Years

FOCUS AREA: General

SESSION: 1J-2J (Double), repeat in 3J-4J

TITLE: Setting the Stage to Engage

PRESENTER: Cori Biech & Laura Kirkup

In this workshop, participants will explore strategies that address the connectivity of social emotional and academic learning. We know that instructional approaches such as inquiry-based learning and student exploration are important for students to develop essential skills such as the 4 C's of 21st Century learning. This can be difficult given the diversity in our classrooms, and specific social-emotional learning must be done in order for students to have the independence, resilience, creativity, and collaboration skills to be active learners. We will examine how teachers can create supportive and inclusive classroom communities by cultivating relationships, demonstrating a growth-mindset and risk-taking approach, and encouraging students' ownership of their learning. Learning structures, tools and strategies to support the development of 21st century skills will be explored.

PREREQUISITES: None

AUDIENCE: Early Years, Middle Years

SESSION: 1K, repeat in 4K

TITLE: Walk, Roll and Fly

PRESENTER: Barry Waldner

This presentation focuses on getting students introduced to coding. I will be explaining the progression of skills that helps students learn the language of coding, and then applying those skills to four different "robots". The first "robot" is a partner, the second, the Sphero, the third, a parrot drone, and lastly a Jimu robot. Participants will be learn about these amazing tools and how they can help build student problem solving skills and learn the basics of coding.

PREREQUISITES: None.

AUDIENCE: Early Years, Middle Years

SESSION: 1L-2L (Double)

TITLE: Lego Robotics in Education

PRESENTER: David Nutbean

During this session, participants will learn how to create a Lego Mindstorms robot and complete programming challenges using sensors and the Chromebook app. Many of the skills learned in this session apply to other robotics platforms such as Sphero robotics and Scratch programming and support computational thinking, design thinking, and support makerspace implementations.

PREREQUISITES: None

AUDIENCE: Middle Years, Senior Years

SESSION: 1M, repeat in 4M

TITLE: Intro to Advanced Google Classroom

PRESENTER: Trevor Poole

Participants will learn everything from how to set up their first Google Classroom class, how to organize workflow, daily usage, communication with students, grading, apps that integrate with Classroom, and grading with standards-based rubrics using extensions and add-ons.

PREREQUISITES: None.

AUDIENCE: K-12

FOCUS AREA: General

SESSION: 1N

TITLE: OneNote to rule them all!

PRESENTER: Ammar Aquil

Students, teachers, administrators and parents now have a one stop shop to collaborate, design, construct and plan. OneNote offers features and options to be successful with a teacher-guided framework that allows for content preparation, creation, and distribution. OneNote provides an opportunity to create lesson and unit plans and keeps you, as a teacher, connected with your school community. Features including Immersive Reader, Dictation and online video integration are changing the scope of learning in classrooms by making learning more accessible. Learn how to support your students, remain organized, and communicate with confidence using OneNote.

PREREQUISITES: Have access to O365.

AUDIENCE: Middle Years, Senior Years, Administration

SESSION: 1O-2O (Double, limit of 20 participants)

TITLE: Paper Cutting Techniques Using a Cricut

PRESENTER: Rhonda Schindler, Deb Peters, Shawnda Mitchell

This introductory session will introduce participants to the basics of using a Cricut machine including text, importing new text and pictures, as well as welding and slicing text. Participants will leave the session with a small bulletin board display.

PREREQUISITES: Basic computer/Ipad skills

AUDIENCE: K-12

SESSION: 1P, repeat in 3K

TITLE: It Takes Two: Design Thinking & Literacy

PRESENTER: Allison Greig

Through picture books, novels, and other forms of texts, this session will explore design thinking opportunities in middle years and elementary classrooms. Using the design process, participants will explore what these two paths have to offer.

PREREQUISITES: None

AUDIENCE: Early Years, Middle Years

SESSION: 1Q

TITLE: Maplewood for Administrators

PRESENTER: Rob Pehura

Maplewood has a great deal of tools and inquiries that can be run to export data for use by K-12 administrators, resource and guidance counselors. This session will focus on a simple export and use excel functions to help manipulate data and to provide data to students, teachers, other administrators and superintendents. This session will cover both simple and advanced features and is offered at the perfect time of year as Semester 1 has ended and your data can be used to work with.

PREREQUISITES: None.

AUDIENCE: K-12, Admin, Resource, Guidance

FOCUS AREA: General/Core Subject Areas

Session 2

11:15 AM - 12:10 PM

SESSION: 2B, repeat in 3B

TITLE: Riverwatch!

PRESENTER: Kent Lewarne

Riverwatch takes the learning outdoors to bridges across Manitoba! Collect water and analyze at a local bridge and become a part of one of the largest science experiments in Manitoba! Connect with other schools in Manitoba and USA! Analyze and map your data! Great fits in Grade 7, 8 and 10 Science as well as Biology 40S and practical applications of Chemistry. Participants will try out some of the equipment and learn about the analysis and mapping that can be done online. No prerequisites! Not all technology involves a computer or Chromebook!

PREREQUISITES: None

AUDIENCE: Middle Years, Senior Years

FOCUS AREA: 7-12 Science

SESSION: 2D, repeat in 4D

TITLE: Maker space and G-suite

PRESENTER: Nathan Ramage

How our Makerspace program has evolved over the last 3 years. We will be looking at how TGMS has incorporated technology such as G-suite to allow Makerspace to run efficiently. We will be looking at our past 3 years and how we have evolved into making students more accountable in their learning when engaging in Makerspace. By building career portfolios, students can now realize how some of the learning in Maker can be transferred into a possible future career. Accountability doesn't just stop with the students, the school team is always looking for ways to make this period more engaging for students.

PREREQUISITES: None

AUDIENCE: Middle Years

FOCUS AREA: All

SESSION: 2E, repeat in 4E

TITLE: Level up! Gamify Your Class

PRESENTER: Christopher Fredrickson and Shannon Magee

Want to engage and motivate your students? Add some excitement into your classes? Try gamification! In this session you will get an introduction to what gamification is and how you can use it in your class. Look forward to a quick walkthrough of the principles of game design and how to use it to increase engagement in your class. We will go over some tips and tricks to launch a gamified class online and you will walk away with plenty of resources and ideas to start your quest!

PREREQUISITES: N/A

AUDIENCE: Middle Years, Senior Years

FOCUS AREA: General

SESSION: 2G, repeat in 4G

TITLE: Introduction To Google Classroom

PRESENTER: Jeff Kriski, Scott Brown

In this session we will explore realistic uses for Google accounts and how to set them up. Presenters Scott Brown and Jeff Kriski have been working to incorporate Google accounts into their everyday classrooms. Providing online options allows students to complete assignments, catch up on days missed, or engage in class discussions.

PREREQUISITES: School based Gmail account will be an asset.

AUDIENCE: Middle Years, Senior Years

SESSION: 2H

TITLE: 3 C's & Suitcase

PRESENTER: David Wall & Lisa Goolcharan

Inspiring critical, creative, & computational thinking through the new ELA curriculum. Imagine a child given a suitcase in Eastern Europe immediately prior to World War 2 and the suitcase is found intact years later in a Winnipeg basement. Using artifactual and multimodal literacy to represent the story telling process we explore the potential of artifacts to engage deeper thinking skills.

PREREQUISITES: no

AUDIENCE: Middle Years, Senior Years

FOCUS AREA: ELA SS LwICT

SESSION: 2I, repeat in 3I

TITLE: Intro to Google Docs, Slides & Classroom

PRESENTER: Tara Pitz

This session will be an introduction to Google Docs, Slides and Classroom for all grade levels. You will learn how to create a Doc, store it in Google Drive folders, upload it to Google Classroom and share documents. You will also explore Google Classroom to learn how to set up your own classrooms, ask students to join, and add assignments & videos. We will go over how to grade assignments within Google Classroom and return them to students. Finally, you will learn to use Google Slides as a form of presentation. You can use Slides to present to your own students on a topic or have students create Slides to demonstrate their understanding. Please bring a laptop or Chromebook to the session as it will be hands on and you will be actively participating and following along as I move through the topics.

PREREQUISITES: none

AUDIENCE: K-12

FOCUS AREA: All Subjects

SESSION: 2K

TITLE: Learning the Basics of Digital Mapping with ArcGIS Online

PRESENTER: Rod Epp

In this hands-on workshop learn the basics of Esri's ArcGIS online digital mapping tool, creating maps that can be used for inquiry and analysis. This workshop is designed for teachers new to digital mapping and those with some experience wishing to review and practice their mapping skills.

PREREQUISITES: None

AUDIENCE: K-12

FOCUS AREA: Geography, Social Studies

SESSION: 2M, repeat in 3M

TITLE: Love Your Smartphone More!!

PRESENTER: Reynold Redekopp

Why should you love your SmartPhone more? Because of the design, what goes into it, who makes it and where it goes when you're not happy with it. We'll explore digital literacy beyond 'playing nice' on the Internet and look at the 'tools' for our students to appreciate what they have even more.

PREREQUISITES: None

AUDIENCE: K-12, Administration, Graduate studies

FOCUS AREA: General

SESSION: 2N

TITLE: Included Ed: 7 Steps to Making Learning More Accessible

PRESENTER: Ammar Aquil

In this session we will explore ways to improve student focus, increase reading comprehension, and demonstrate environments where students are able to express their understanding. Using inputs other than keyboarding and text, we will empower all students to achieve more by integrating assistive technology. This session will enable educators to better meet the needs of diverse learners. Come learn how Microsoft's accessibility features can support differentiated learning in your classroom.

PREREQUISITES: Access to O365

AUDIENCE: Early Years, Middle Years, Senior Years, K-12

FOCUS AREA: General

SESSION: 2P, repeat in 4I

TITLE: Explain with Explainer Videos

PRESENTER: Martina Wilkins

Brief introduction to Explainer Videos and how to incorporate them into the classroom.

PREREQUISITES: N/A

AUDIENCE: Early Years, Middle Years, Senior Years, K-12, Administration

SESSION: 2Q

TITLE: Have You Been Pwned?

PRESENTER: Troy Sigvaldason

Security VS Convenience - using cloud based solutions like Office 365 or G Suite in the classroom and how to ensure you, your colleagues and your students are safe online without circumventing best security practices. We will focus on procedures for password management, finding out if you're information has been leaked online and what to do about it, as well as how to work with your IT department to mitigate any risk of becoming infected, exploited or pwned!

Session 3

1:10 - 2:10 PM

SESSION: 3A-4A (Double)

TITLE: **Spotlight Session** - This Is The Future of Learning

PRESENTER: John Spencer

For all the talk of gadgets and apps, the future of education won't center around a new content delivery system. The future is in your classroom. It's with your students. Your school is packed with creative potential. In this keynote, we tackle what the future of education will look like as we shift toward creativity and innovation

SESSION: 3C-4C (Double)

TITLE: Google Sites - Documenting Student Learning

PRESENTER: Phil Taylor

New Google Sites now delivers the simplest way to display Google Drive files, YouTube videos, calendars, images, and maps on the web. Every page is now an easy-to-read clean design, that is automatically formatted for display on a desktop, tablet, or phone. The elements of every site work together, thanks to themes, fonts, and color choices that help you create a coherent design. Students can now focus on creating the content of their site to document their learning. Students and teachers can also work collaboratively in real time to create project sites, learning portfolios, etc., to create and showcase their learning. This session will focus on the creation of a site, along with a conversation about the many possibilities this modernised version of Google Sites adds to your digital tool kit.

PREREQUISITES: Familiarity with Google apps such as: Google Docs, Sheets, Slides. Active G Suite for Education or G Mail account

AUDIENCE: Early Years, Middle Years, Senior Years, K-12

SESSION: 3G

TITLE: Chromecasts in the Classroom

PRESENTER: Troy Sigvaldason

Cutting the cord and implementing Chromecasts into your classroom (with the help of your IT Department of course!) can open up many collaborative and efficient ways to project videos, data and ideas from any device - staff or student - no cables required! I will go over how to cast from Windows, Chromebooks, Android Tablets & iPads as well as some awesome resources you can leverage to get the most out of your Chromecast.

PREREQUISITES: None

AUDIENCE: All

SESSION: 3H

TITLE: Flipgrid, 'Documentation for Learning'.

PRESENTER: David Wall & Brandi Bartok

How to build assessment excitement and engage students in storytelling relationships by using 'Flipgrid' to interactively document learning.

PREREQUISITES: no

AUDIENCE: K-12

FOCUS AREA: all

SESSION: 3L-4L (Double)

TITLE: Picture Book and Novel Engineering

PRESENTER: Tara McLauchlan

How can teachers use picture books and novels to inspire design thinking?

PREREQUISITES: A love of books

AUDIENCE: K-12

FOCUS AREA: English Language Arts

SESSION: 3M-4M (Double)

TITLE: Creating Story Maps with ArcGIS Online

PRESENTER: Rod Epp

Using ArcGIS online, a web based mapping tool by Esri, participants will create a map and then use the map to build a Story Map. As all Manitoba teachers and students can hold accounts with Esri, this workshop will provide first time users with a hands on opportunity to learn the basic skills and explore the galleries of maps and Story Maps.

PREREQUISITES: Basic digital mapping skills with ArcGIS Online

AUDIENCE: K-12

FOCUS AREA: Social Studies

SESSION: 3N-4N (Double)

TITLE: Minecraft Education Edition: Make it Your World

PRESENTER: Ammar Aquil

Make your students' dreams come true by bringing the video game Minecraft into the classroom. Minecraft: Education Edition allows educators to create fun, engaging and collaborative lessons using game-based learning. Find out how students can document their learning to make deeper and more meaningful connections; possibilities are endless! We'll share how Minecraft: EE has accessibility features available to provide all students with an opportunity to demonstrate their learning. Join the Minecraft Educator community and access FREE lesson plans and curriculum connections.

PREREQUISITES: Preinstall Minecraft Education Edition

AUDIENCE: Early Years, Middle Years, Senior Years, K-12

FOCUS AREA: General

SESSION: 30-40 (Double, limit of 20 participants)

TITLE: Create Your Own T-shirt with a Cricut

PRESENTER: Rhonda Schindler, Deb Peters, Shawnda Mitchell

This session will introduce participants to vinyl design using a Cricut and heat press. Participants will work with the Cricut and learn how to import an image, clean up the image, resize and the mirror and print the image. After the image is printed participants will pick and weed the design and then heat transfer it to the t-shirt. Each participant will need to provide a tshirt and have a picture of a design to bring. Extra tshirts will be available for \$5.

PREREQUISITES: Basic iPad skills

AUDIENCE: K-12

SESSION: 3P-4P

TITLE: Get in the Game: Incorporating Games into the Learning Process

PRESENTER: Roque Lacroix

This presentation is aimed towards senior years (grades 9-12) educators with the purpose of illustrating why using games in the classroom can greatly increase student success. It focuses on context-specific examples for core subjects and includes some personal anecdotes that will serve as a primer to enhance classroom learning, engagement, and understanding.

PREREQUISITES: None

AUDIENCE: Senior Years

FOCUS AREA: General/Core Subject Areas

Session 4

2:25 – 3:25 PM

SESSION: 4H

TITLE: Using Technology to create Rich Learning Experiences within the new ELA Curriculum

PRESENTER: Darin Arnold & James Kostuchuk

Darin Arnold is a Grade 9 ELA Teacher, as well as the Technology Coach for PLPSD. James Kostuchuk is the MY and SY Literacy Coach for PLPSD. Together, they will explore how they have incorporated technology into a Grade 9 ELA classroom to create Rich Learning Experiences that can be modified to suite the needs of many different grade levels. They will touch on concepts such as collaborative work and using G Suite tools to facilitate a wide variety of classroom activities.

PREREQUISITES: Familiarity with G Suite is helpful. Participants should have their own Google Account

AUDIENCE: Middle Years, Senior Years

FOCUS AREA: ELA