



***November 23 – 25, 2017***

**Career & Technology Education Council (CTEC)  
Detailed Conference Schedule**

# Welcome to the Career and Technology Education Council Conference (CTEC) In Canmore, Alberta at the beautiful Coast Canmore Hotel and Conference Centre!

The CTEC Council has worked with individuals and organizations to provide you with opportunities to learn new skills, gather new information, and attend workshops and information sessions. Learn about new tools, equipment, materials and best practices as you visit with vendors and colleagues. Throughout the conference, we invite you to share successes, collaborate and network with delegates from across Alberta. Our hope is that this conference will provide you with experiences that allow you to reflect, incorporate new ideas, enrich student learning and engagement, and infuse health and safety best practices in your jurisdictions for students who will be transitioning to post-secondary or the world of work in occupations across all sectors of the economy.

We believe that providing CTEC teachers with direct contact to colleagues, business, industry and organization stakeholders will allow individuals to share their knowledge and relevant experiences with their students, to create dynamic, and authentic, learning environments.

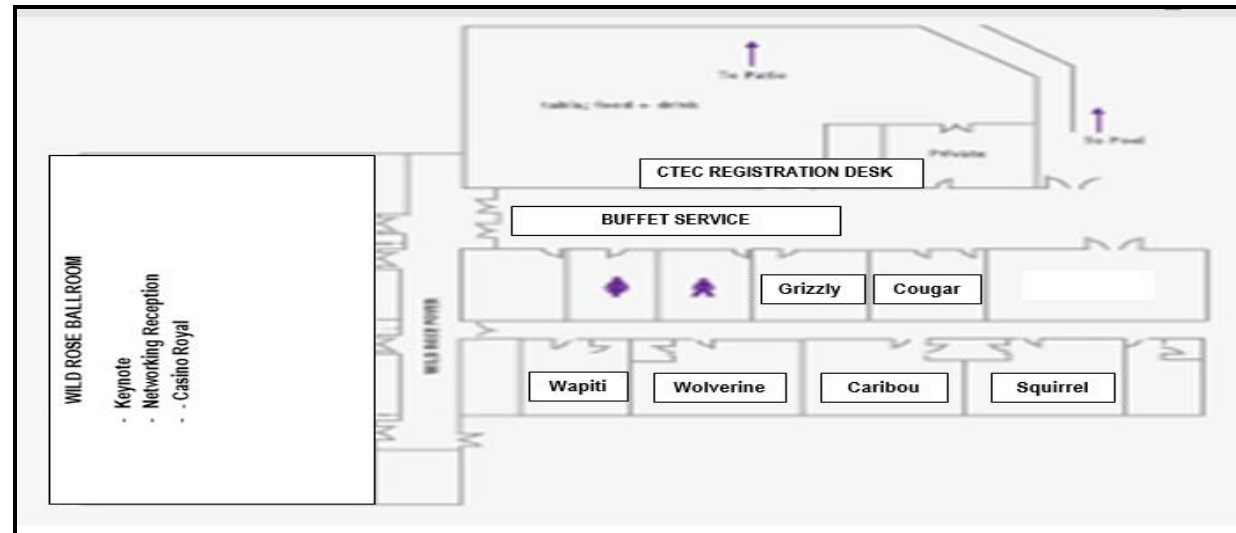
As you get ready to head home at the end of the conference, please stop by the Registration desk or talk to one of the CTEC Council members if you are interested (or know someone who might be interested), in being involved in next year's conference! We could never host conferences without our Sponsors, Speaker volunteers, Vendors, Sponsors and volunteers behind the scenes. Thank you to all those individuals involved in making this a successful conference

**We hope you enjoy your CTEC Conference!**

## LOBBY – CTEC REGISTRATION DESK

The Registration Desk is situated to the left of the main hotel registration desk.

- ✓ Thursday, November 23<sup>rd</sup> – Desk Opens 1:00
- ✓ Vendor set-up 1:00 – 4:00



## CONFERENCE SCHEDULE

Updated NOVEMBER 15<sup>th</sup>

Please contact the Conference Director ([conferencedirector@ctscouncil.com](mailto:conferencedirector@ctscouncil.com)) if there are any changes, errors or omissions. We have attempted to honour all requests where possible.

# THURSDAY, November 23, 2017

1:00 pm – 9:00 pm

**REGISTRATION DESK OPEN – WELCOME!**

1:00 pm – 4:00 pm

*Vendor / Exhibitor Display – Setup Time*

SESSION SECTION	SPEAKER	CTS/CTF AREA	SESSION TITLE	SESSION DESCRIPTION	SPEAKER BIO	Type of Session
<b>BALLROOM</b> 2:00 pm - 5:00 pm	Gareth Thomson	ALL CTS / CTF	<b>Exploring Nature, Outdoors, Environment and your teaching!</b>	Welcome to Canmore! In this outdoor session, you will get a chance to enjoy nature and meet some of your fellow teachers. During this relaxing ramble we will do a few simple activities, explore a lovely outdoor natural area - and explore how you might incorporate outdoor education and the environment into your teaching. The mountains in November are lovely, but not warm - bundle up! We'll walk from the hotel	Gareth Thomson is the Executive Director of the Alberta Council for Environmental Education, with almost three decades of experience in environmental education. He worked for the government of Alberta and then as Education Director for an NGO. He has an engineering degree, an M.Sc. in Environmental Geology, and is a certified teacher. Gareth lives in Canmore.	Interactive / Outdoor
	Gina Troskot	ALL CTS / CTF	<b>Exploring Banff – Our National Park Resource</b>			
	Gina Troskot	ALL CTS / CTF	<b>Local Brewery Tour</b>			

6:00 pm – 7:00 pm

**Dinner Buffet – Conference Opening Ceremony / Welcome!**

THURSDAY  
NIGHT  
CONFERENCE  
KICK-OFF  
KEYNOTE  
6:00 pm-7:00 pm



## **CHRIS ROGERS, Principal– CANMORE HIGH SCHOOL**

Come and listen to Chris Rogers, Principal of Canmore High School talk about the work his CTS Teachers have undertaken and the success they are having in providing students with choice that is innovative and engaging. High School Success is important to our students – how can CTS contribute in a positive way..

## **CTS SHOWCASE and CELEBRATION**

Chris Rogers will be joined by Dennis Martin, Mechanics & Welding Teacher; Peter Prescesky, Coordinator, Canadian Rockies Outdoor Learning Centre; Deb Sellers, Commercial Foods Teacher and Robert VanderLee, Industrial Arts Teacher. These teachers along with students will showcase some of the products of their programs.

THURSDAY  
NIGHT  
KICK-OFF  
7:00 pm-10:00 pm

*Visit the Wild Rose Ballroom for a casual and informative evening of networking with colleagues and vendors.  
At the reception, enjoy a complimentary treat from the Canmore High School - Culinary Arts Students as you socialize connecting and reconnecting.*

# FRIDAY, November 24, 2017

7:30 am – 5:00 pm

**REGISTRATION DESK OPEN –  
If you have Questions – come see us!**

8:00 am – 4:00 pm

*Vendor / Exhibitor Display Open for Delegates to Browse*

8:00 am – 8:55 am

**Breakfast Buffet**

**FRIDAY  
BREAKFAST  
KEYNOTE  
8:00 am-8:55 am**



## GARETH THOMSON & ADAM ROBB Greening Your Teaching: How to Take the Next Step!



**Gareth Thomson** is the Executive Director of the Alberta Council for Environmental Education, with almost three decades of experience in environmental education. He worked for the government of Alberta and then as Education Director for an NGO. He has an engineering degree, an M.Sc. in Environmental Geology, and is a certified teacher. Gareth lives in Canmore.

**Adam Robb** believes that students deserve to have the chance to design solutions that will result in stronger, more resilient communities. His students have presented and keynoted at conferences and pitched the Alberta premier on solar energy. Adam received the Alberta Excellence in Teaching Award and teaches CTS in Calgary.

## FRIDAY SESSIONS; A – D

SESSION SECTION	SPEAKER	CTS/CTF AREA	SESSION TITLE	SESSION DESCRIPTION	SPEAKER BIO	Type of Session
<b>FRIDAY: SESSION A 9:00 am – 9:55 am</b>						
<b>A1 CARIBOU</b>	Sara Rooseboom	CTS – NAT ; TMT – CON, MEC, Other – Work Exp, RAP	<b>Teaching from Tragedy</b>	When a workplace tragedy occurs, lives are turned upside down and workplaces are forever changed. There is no turning back the clock when someone loses a life or limb, but we can learn from these tragedies and use that loss to change attitudes and behaviors. Since 2014, Safety in Schools has shifted to include a greater focus on experience-based learning to complement the workplace safety training that is the core of our program. We are changing minds and saving lives by bringing students face to face with the real life consequences of workplace injuries and fatalities. Come learn about our newest courses, which explore real experiences with workplace injuries and fatalities, as well as	Sara Rooseboom has been with the Safety in Schools Foundation of Canada since March 2014 in her capacity as Program Coordinator. She is responsible for expanding the reach of the Safety in Schools online program into more schools, supporting teachers using the program, coordinating in-school engagements with injury survivors and overseeing the development of new course content. She is responsible for expanding the reach of the Safety in Schools online program into more schools, coordinating in-school engagements with injury survivors, and overseeing the development of new course content.	<b>Lecture &amp; Interactive</b>

SESSION SECTION	SPEAKER	CTS/CTF AREA	SESSION TITLE	SESSION DESCRIPTION	SPEAKER BIO	Type of Session
				the work we are doing bringing injury survivors into schools to speak with students about their lives, loss and the lessons they have learned. We will also discuss how you can use emotionally stimulating content to drive home lessons about personal responsibility and safety in your classrooms.		
<b>A2 COUGAR</b>	Tracey Millar	<b>CTS – HRH - Cosmo</b>	<b>Preparing your Cosmetology Students for Skills Alberta Competition. Understanding the Scope and Judging Criteria.</b>	This session is designed to bring some clarity to Skills Alberta content descriptions, training requirements and judging criteria for Junior, Intermediate and Senior Competitions.	Tracey Millar is a CTS Department Head for the Red Deer Catholic Regional Schools. Tracey is the chair for the Alberta Provincial Technical committee for Hairstyling and is the Alberta representative for Hairstyling for the Skills Canada National Competition.	<b>Lecture</b>
<b>A3 GRIZZLY</b>	Jennifer Janzen	<b>CTS – NAT</b>	<b>“Choose Your Own Alberta Adventure: with the All New Gamified APP <a href="http://www.albertatomorrow.ca">www.albertatomorrow.ca</a></b>	Remember Choose Your Own Adventure Books? This simulator and new APP lets you choose your own future for Alberta and see the result on the environment and economy. Newly upgraded and gamified, this GIS technology lets you discuss water, wildlife, climate change, agriculture, energy, forestry, ecosystems or the economy. Use the new citizen science App with satellite imagery to store your observations on your next field trip!	A former high school teacher, ecologist and environmental educator, Jennifer is now Executive Director of the Alberta Tomorrow Foundation, a not for profit organization dedicated to educating Albertans in the importance of land-use planning for a sustainable future.	<b>Hands-On; Trying the App</b>
<b>A4 PRIVATE (FRONT) ROOM</b>	Lori Ingram; Cheryl Jerinuk	<b>CTS – HRH – Foods</b>	<b>Foods 10, 20, 30 Cross Curricular Modules</b>	Do you teach Foods 10, 20, 30? Have you had to teach a split class? Then this session is for you. Learn how to teach one module, and with a few creative ideas, cover multiple modules. Class will include food samples, handouts, and bring a memory stick if you want a copy of the PPT, or leave email to google share.	Lori Ingram and Cheryl Jerinuk combined, have over 50 years' experience teaching High School Foods. Cheryl teaches at Spruce Grove Composite High School and Lori teaches at Leduc Composite High School. Both Lori & Cheryl have a major in CTS Foods and are passionate about food, nutrition and a healthy active lifestyle. Come meet these ladies who are also great friends, come and learn a little and laugh a lot! Junior High School Foods teachers welcome!	<b>Lecture</b>
<b>A5 SQUIRREL</b>	Mhairi Miskew; Tanus Davidge	<b>CTF – Foods &amp; Fashion</b>	<b>Foods and Fashion for the Middle Years Part 1 – Assessment &amp; Resources</b>	Join us for a Foods and Fashion sharing session of CTF design challenges, rubrics, outlines, websites and more! We will do a Powerpoint of a Halloween Party challenge for Foods and a Pincushion Challenge for Fashions. As well as show examples of how we assess in our classes. For those not familiar with Yammer, we will introduce you to this great CTF collaboration site as well. Part 1 - Assessment and Resources. Join us for a Foods and Fashion presentation of CTF assessment, outlines, websites and more! We will show examples of how we assess in our classes. We will also share with you the numerous websites and collaboration groups that you can utilize in your classes. Come ready with resources, websites and more that you are willing to share with others. Let's all leave with some gem ideas so we can work smarter not harder.	Mhairi Miskew is a Foods and Fashion teacher at St. Theresa Middle School in Sherwood Park with Elk Island Catholic Schools. She has taught for 19 years, numerous subjects and grade levels. She has found her passion in the CTF courses of Foods 5-8 and Fashion 7 and 8. Tanus Davidge is a Foods and Fashion teacher at FR Haythorne Junior High School and Elk Island Public Schools. She has taught for 23 years and gets to play everyday from Foods and Fashions to Creative Crafts to DIY and Personal Image Design. Lately, her passion involves setting up a makerspace within her school for all the students to enjoy.	<b>Lecture</b>

<p><b>A6 WAPITI</b></p>	<p><b>Jonathon Thomas</b></p>	<p><b>ALL – CTF / CTS</b></p>	<p><b>Inspiring a Maker Culture: A District Perspective</b></p>	<p>Implementing a Makerspace in a school is not merely about buying the right equipment, it is about shifting school culture and embracing a maker mindset that values the creative process in learning. Culture shifts are rarely effective when implemented from above, but there are strategies that school districts can use to enable the development of a maker culture. The EIPS Learning Services Team will speak about their long term vision for makerspaces and the strategies they are using to empower teachers and administrators to innovate in their classrooms. Resources will be shared and participants will get hands-on with the EIPS Makerspace tech kits.</p>	<p>EIPS Learning Services is a small but mighty department that serves 42 schools, 600+ teachers and over 17,000 students. Learning Services has an Educational Technology focus, but works to provide all sorts of solutions to challenging educational situations. Our focus is on supporting CTF, CTS, BYOD, Off-Campus Education, Computational Thinking, Innovation, FSL and LTPF. Jonathon Thomas works as a Consultant for Learning Services. His areas of expertise include, Makerspace, Google Suite, BYOD and technology integration. Before joining the team, Jon taught high school social studies and world religions for 12 years. Danielle Nelson also works as a Consultant for EIPS Learning Services, primarily supporting CTF teachers and programming in the district. Before joining the Learning Services team, Danielle taught Junjior High for 10 years, teaching science, social, K&amp;E and elective courses. Joseph Clark is the Director of Learning Services. Joe has a wide variety of experience and expertise working as a teacher, administrator, and director for EIPS as well as at Alberta Education. Joe supports Jon and Danielle with time, and resources to create meaningful PD Opportunities for teachers, and engaging classroom experiences for students. Joe is instrumental in supporting our CTS programs across the division, and is the go to guy for equipment, training and information.</p>	<p><b>Hands-On; MakerSpace Kits</b></p>
<p><b>A6 WOLVERINE</b></p>	<p><b>Mark Murray</b></p>	<p><b>CTS – TMT ; CTF</b></p>	<p><b>CDX – CTS MEC, ASA &amp; HEA new revised online courses in Moodle – Learn how to use your CDX Automotive website</b></p>	<p>In Sept 2016 CDX Canada released its new MEC, ASA3400, &amp; HEA3400 courses. All content is now in HTML5 format and can be accessed from virtually all devices. Much of the content has been updated throughout this past year, 2017. CTS/CDX courses are completely online - theory, video, interactive animations, eBook, Audiobook, exams, record keeping are all part of the new MEC/ASA/HEA Moodle LMS program. This session will highlight the features of this program and its new up-to-date content. With each Alberta school having its own unique CDX website, your CTS Mechanics program can be customized to suit your school's needs. And it doesn't stop there. With a little training, teachers can add other CTS Courses they teach to the same CDX Moodle server. This session will be relevant to any teacher considering using Moodle in their classroom. You will see the potential and ease of publishing online courses with Moodle. If you can drag and drop you can build a course in Moodle. Bring your laptops for help in making changes to your CDX/Alberta Education MEC Sites?</p>	<p>Mark Murray taught CTS Mechanics in Edmonton. He holds a Master's Degree in Education that focused on Technologies for eLearning. Mark is General Manager of CDX eLearning Canada and is currently involved in developing eLearning programs for schools and colleges across Canada.</p>	<p><b>Lecture &amp; Interactive</b></p>

<b>A8 BALLROOM – SIDE 1</b>	<b>Rick Regoto</b>	<b>CTS – MDC</b>	<b>Image Transfer Technologies</b>	<p>Reward your students with the opportunity to be individual in displaying of their graphic abilities in an impressive and unique way. Explore the latest ways and means of transforming pictures, logos, artwork and sketches onto a variety of customized products. Within this hands-on workshop you will be introduced to the simplicity of transferring any digital image onto a wide variety of substrates through the process of sublimation as well as the latest in laser transfer technologies. It's not only practical but fun to create your own t-shirts, uniforms, plaques, water bottles, mugs, mouse pads, key chains, bag tags, plus hundreds of other products. Great for team recognition, student awards, teacher appreciation, motivators, staff appreciation, graduation gifts, incentives and revenue generation, these cost-effective processes produce full color products that will be cherished for a long time.</p>	<p>When it comes to image transfer technologies, Rick Regoto is considered to be one of the leading experts in the industry. Even though his background was business management and oilfield related, he founded Image Creations Inc. in 1994 out of his love for photography and image reproduction. With the rapid growth of new imaging technologies, Rick has diversified his company to grow within this industry offering not only expertise but also the equipment and products focusing on the latest image transfer methods. Today Image Creations Inc. is one of the major providers of sublimatable substrates into the photo gifting marketplace throughout North America.</p>	<p><b>Hands-On/ Workshop</b></p>
<b>A9 BALLROOM – SIDE 2</b>	<b>Cameron Smith</b>	<b>HRH – Performance &amp; Injury Prevention; Sport Psychology &amp; Workplace Safety</b>	<b>The Mindset to Improving Performance</b>	<p>We all get in situations where we need to perform at the best of our ability. We can be driving, at home, at school, at work, and playing sports. Performance errors can cause wasted time, money, the spot on the podium, or injury. We've all had them and we all hope to never have them again. So, what can you do to improve performance and prevent injury? With a few tools and techniques, it may not be as hard as you think.</p>	<p>As a former professional skier with years of intense athletic competition have given Cam a unique perspective on how pressure can be a motivating force. As a business owner of HeadStart Performance Training, Cameron is both passionate to share tools and techniques that can work for anyone wanting to improve their performance and prevent injury.</p>	<p><b>Lecture</b></p>

## CANMORE HIGH SCHOOL

<b>FRIDAY 8:25 – 9:44 am</b>	<b>FOODS LAB</b>	<b>CLOSED : CLASS IN SESSION Deanna Miller working with Students</b>		
	<b>CONSTRUCTION SHOP</b>	<b>CLOSED : CLASS IN SESSION</b>		
	<b>MECHANICS SHOP</b>	<b>Dennis Martin – “My Car Won’t Start!” Now What???</b>	<p>This session is for anyone who wants to gain an understanding of the basic starting circuit of an automobile. This will be a 2 hour session that includes hands-on disassembly, testing and reassembly of working automotive electric starters. YOU DO NOT NEED TO BE A MECHANICS TEACHER TO ENJOY THIS SESSION!</p>	<p><b>HANDS – ON WORKSHOP</b></p>

<b>FRIDAY</b> <b>9:45 – 11:27</b>	<b>FOODS LAB</b>	<b>Deanna Miller – FRENCH MACARONS</b>	Have you ever wanted to master those tres chic, colorful hamburger-shaped cookies? French macarons baffle even the most experienced bakers, but with a few important tips you can master these enviable, meringue based, multi-flavored confections. You will be making, baking and filling macarons with recipes and tips to recreate them at home or school.	<b>HANDS – ON WORKSHOP</b>
	<b>CONSTRUCTION SHOP</b>	<b>CLOSED : CLASS IN SESSION</b>		
	<b>MECHANICS SHOP</b>	<b>Dennis Martin – “My Car Won’t Start!” Now What???</b>	<b>CONTINUATION</b>	<b>CONTINUATION: HANDS – ON WORKSHOP</b>
<b>FRIDAY</b> <b>11:28 – 12:52</b>	<b>FOODS LAB CLOSED</b>	<b>CLASS IN SESSION</b>		
	<b>CONSTRUCTION SHOP</b>	<b>CLOSED : CLASS IN SESSION</b>		
	<b>MECHANICS SHOP</b>	<b>CLOSED : CLASS IN SESSION</b>		

**OFFSITE – The Sugar Pine Company (737 – 10<sup>th</sup> St.)**

<b>FRIDAY</b> <b>9:00 am – 3:00 pm</b>	<b>Cynthia Dyer</b>	<b>CTS – MDC – Fashion The Art of Rag Quilting Hosted at The Sugar Pine Company (737 – 10<sup>th</sup> Street, Canmore)</b>	Participants will learn the art of making a Rag Quilt. These beautiful quilts look professionally made, however, they are rather easy to make and perfect for the student sewer in Fashions learning the basics of quilting. These quilts are a lot of fun to assemble, from picking out and coordinating your 100% cotton material to organizing the look you want. This latest quilting style combines the traditional concepts of patchwork (with a twist) and unusual materials often looked over for normal quilting, such as denim. The final product is perfect for a bed quilt, baby quilt, a throw for the beach or to snuggle and cozy up with while watching TV. This one-day workshop will be offered in how to measure, cut, design and layout a rag quilt. A detailed material list will be provided in helping you pick out your fabric for this workshop. <i>There will be a 10% discount on any materials purchased at the store.</i>	<b>HANDS – ON WORKSHOP</b> <b>Limit of 12 Participants</b>
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**10:00 am – 10:25 am**

**Wellness / Nutrition Break & Networking Opportunity**



**FRIDAY: SESSION B**

**10:30 am – 11:25 am**

<p><b>B1 CARIBOU</b></p>	<p><b>Danielle Nelson</b></p>	<p><b>CTF – Resources</b></p>	<p><b>From Zero to CTF: Our CTF Journey at EIPS</b></p>	<p>If you are looking to make connections, partnerships and share resources about CTF, this is the session for you. The EIPS Learning Services Team will speak about the implementation and support model for CTF programming in Elk Island Public Schools. We will share resources and challenges that have been created or shared with us, along with what has worked well for EIPS, and where we hope CTF in EIPS will go in the future.</p>	<p>EIPS Learning Services is a small but mighty department that serves 42 schools, 600+ teachers and over 17,000 students. Learning Services has an Educational Technology focus, but works to provide all sorts of solutions to challenging educational situations. Our focus is on supporting CTF, CTS, BYOD, Off-Campus Education, Computational Thinking, Innovation, FSL and LTPF. Jonathon Thomas works as a Consultant for Learning Services. His areas of expertise include, Makerspace, Google Suite, BYOD and technology integration. Before joining the team, Jon taught high school social studies and world religions for 12 years. Danielle Nelson also works as a Consultant for EIPS Learning Services, primarily supporting CTF teachers and programming in the district. Before joining the Learning Services team, Danielle taught Junior High for 10 years, teaching science, social, K&amp;E and elective courses. Joseph Clark is the Director of Learning Services. Joe has a wide variety of experience and expertise working as a teacher, administrator, and director for EIPS as well as at Alberta Education. Joe supports Jon and Danielle with time, and resources to create meaningful PD Opportunities for teachers, and engaging classroom experiences for students. Joe is instrumental in supporting our CTS programs across the division, and is the go to guy for equipment, training and information.</p>	<p>Lecture</p>
<p><b>B2 COUGAR</b></p>	<p><b>Marko Stefaniw</b></p>	<p><b>CTS - TMT</b></p>	<p><b>Construction / Fabrication: Project Sharing / Ideas. Tools and discussion.</b></p>	<p>Construction fabrication teachers are given the opportunity to collaborate with others in their small field. The presenter will help facilitate discussion on projects / courses that shop teachers have had success in. This will be a great time to network and share ideas. For this collaboration to be a success, you are encouraged to bring a USB with a project/picture and/or course(s) you would like to share with the group. A laptop will be present to help with data transfer. Shop teachers are also welcome to bring projects that students have made to be used as examples.</p>	<p>Marko Stefaniw has been teaching Construction/Fabrication for the last 11 years at St. Francis Xavier High School in Edmonton.</p>	<p>Hands On / Interactive</p>
<p><b>B3 GRIZZLY</b></p>	<p><b>Mitchell Way</b></p>	<p><b>CTS – BIT / TMT / CTF</b></p>	<p><b>Building a Better Sensor Ball Using Arduino</b></p>	<p>When we think of robots we usually think of a box on wheels, this is wrong. Robotics more often relies on stationary sensor systems to fulfil their roles. This session will be a practical demonstration on how to create a stationary datalogging robot using Arduino, some sensors, and an SD card breakout.</p>	<p>Mitchell Way is the CTS Learning Leader at Calgary's Nelson Mandela High School. He proudly runs the Lab Under the Stairs, a robotics and pre-engineering lab that is focused on churning out creative, innovative and technologically skilled students into a variety of areas in the engineering sciences.</p>	<p>Lecture</p>

<b>B4 PRIVATE (FRONT) ROOM</b>	<b>Beth Ann Caufield</b>	<b>CTF; CTS – HRH - Foods</b>	<b>Make-a-Mix Cooking</b>	This is a fast and convenient way to save time and money during meal preparation. This is especially helpful in the classroom when you have limited cooking time, or at home when you are facing a time crunch! Mixes can be made in advance with your students, or at home for yourself, and then pulled out of the fridge, freezer or pantry to use in your recipes. Mixes can be dry (hot roll mixes, Snack cake mixes, seasoning mixes), Semi-dry (cake mixes, cookie mixes), freezer/fridge mixes (Beef mix, Italian sauce mix, or Chicken mix), or Jar Mixes for use in a slow cooker or Instant Pot (soup mix, Hamburger Helper). Because you are the one adding the ingredients, you know exactly what is in them. You can make them unique by adding your own personal touches and nutritious by including your own healthy ingredients! Come check out the endless possibilities in creating your own mixes and see just how fun, fast, and easy they can be!	Beth Ann Caufield - I am a teacher at Beaverlodge Regional High School where I have been teaching food studies for the past 13 years. Like many foods teachers of my time, I had no previous experience with the culinary arts or baking except what I learned as a 4-H student as a young girl, from my mom as a teenager, and later as a wife and mother. I love the things I have learned as both a teacher and student in the Foods program. I love to try new things and to expand my knowledge of the Culinary world! Along with my love of learning and cooking, I love being a grandma, sewing and quilting, growing and preserving a large garden and spending time with my family!	<b>Hands On / Interactive</b>
<b>B5 SQUIRREL</b>	<b>Gareth Thomson</b>	<b>All CTS &amp; CTF</b>	<b>Help Your Students Become Energy Managers through Energy Efficiency!</b>	In this workshop we'll show you how new energy efficiency technology, big data, and energy monitoring dashboards are being used in Alberta schools to help students become energy analysts and managers. Students recommend changes to facility managers that reduce utility bills and carbon levy payments, increase their environmental stewardship and sense of agency, and feel more positive about the future!	Gareth Thomson is the Executive Director of the Alberta Council for Environmental Education, with almost three decades of experience in environmental education. He worked for the government of Alberta and then as Education Director for an NGO. He has an engineering degree, an M.Sc. in Environmental Geology, and is a certified teacher. Gareth lives in Canmore..	<b>Lecture</b>
<b>B6 WAPITI</b>	<b>Sandra Lootens</b>	<b>HRH – Fashion / CTF</b>	<b>Creative Dryer Balls</b>	Learn the art of basic needle felting while making a personalized dryer ball. This is a fun, creative project that could be used at the junior or senior high and requires no previous sewing skills.	Sandra Lootens is a teacher at John Diefenbaker High School in Calgary. She currently teaches Fashion and Foods and has taught at the junior and senior high level.	<b>Hands On / Interactive</b>
<b>B7 WOLVERINE</b>	<b>Mark Murray</b>	<b>CTS – TMT ; CTF</b>	<b>CDX – CTS MEC, ASA &amp; HEA new revised online courses in Moodle – Learn how to use your CDX Automotive website</b>	<b>CONTINUATION</b>	<b>CONTINUATION</b>	<b>Lecture</b>
<b>B8 BALLROOM – SIDE 1</b>	<b>Randi Tajcnar</b>	<b>ALL CTS</b>	<b>Skills in the Classroom – Skills for the Future!</b>	The future of work is evolving - an estimated 65% of children entering primary school today will end up working in jobs that don't exist yet, using technologies and tools that haven't been invented yet, to solve problems we don't know are problems yet. In this session, we will explore how Skills Canada Alberta's programming will help educators equip students with the tools and knowledge to build skills for success in the evolving future of work.	Randi Tajcnar, the Education Facilitator at Skills Canada Alberta, and I am thrilled to bring our programming to you! I combine a background in Education and Psychology, with industry-specific experience as an Environmental Technologist to deliver informative and engaging presentations to junior and senior high students and teachers across Alberta.	<b>Lecture</b>

<p><b>B9 BALLROOM – SIDE 2</b></p>	<p><b>Shandy Dunsmuir</b></p>	<p><b>ALL CTS / CTF</b></p>	<p><b>How to Prepare Your Classroom for a Substitute Teacher</b></p>	<p>This session is designed for all CTS/CTF teachers across all clusters and levels. This session will give you tips and tricks for when you are away from the classroom to ensure that students and your replacement teacher have a fun, safe, and productive day. Worksheets, movies, and other make work tasks have a time and a place, but students generally prefer no interruption to their typical classroom activities. There are plenty of simple but on task activities that can be run safely by a substitute teacher. The session would also be helpful for CTS/CTF substitute teachers on how they should conduct themselves in the CTS/CTF classroom.</p>	<p>Shannon Dunsmuir has been a substitute teacher for the past 2 years and currently works for Edmonton Public School Board, Black Gold Regional Schools and Elk Island Public Schools. She is also a member of the Substitute Teacher's Committee for Local 37. Shannon was a Financial Advisor prior to becoming a teacher and specializes in the BIT Cluster through she enjoys teaching in all areas of CTS/CTF.</p>	<p><b>Lecture</b></p>
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**11:30 am – 12:30 pm**

**Lunch Buffet**

**FRIDAY LUNCH  
KEYNOTE  
12:00 pm -12:55 pm**

**DON SHAPIRA (PMAST) – Maneuvering Through a Social World. “If You’re Gonna Jump, At Least Have a Parachute!”**



If your friends jumped off a cliff, would you? Well, depending on the cliff ... many of you just might. By understanding how social conformity and social thinking define our actions, we can avoid getting caught up in the moment and lose ourselves with highly charged reactions. The goal is to have the tools to revert the control back within ourselves with less emotional, more educated responses. Maneuvering through a social world, whether in school, work, home or even at a Stanley Cup riot, means we need to understand exactly why we make decisions so that we can avoid making the bad ones. Come and enjoy this fun session and learn these concepts so you can add these skills to your students' toolkits to ensure they make the best decisions to maneuver through an otherwise difficult social reality.”

**Don Schapira, Q.Med**, is a Mediator, Trainer and Negotiator responsible for presenting Conflict Management Training, Mediation Services and Negotiated Solutions to a broad clientele. He is a qualified mediator, trained to assist people to resolve the conflict in their lives. He provides training, mentoring and mediation services to all school students, parents and staff and to the community at large. Don brings over twenty years of experience in business Development, Change Management and a strong history of growth in Financial Services, Recruitment, Oil and Gas and Alternative Dispute Resolution. After graduating as Valedictorian from George Brown College, majoring in Accounting, Don gained his Finance Degree from the University of Lethbridge in 2003, with Great Distinction. Don has been part of the Executive team for one of North America’s largest Private Foreign Exchange firms, Canada’s largest public pet insurance company and consulted with several Calgary area Oil and Gas service firms to help grow their bottom line. As a proven negotiator, Don continued his studies and gained his Q.Med designation from ADR Institute of Alberta (ADRIA) where he learned of PMAST and has since dedicated his time as a Volunteer. Now a Trainer/Mediator in schools to promote the vision of helping all youth, including those deemed “at-risk”. He has found his calling and is devoted to serving the community and is especially dedicated to working with youth to make their lives a little better. He is also the Lead Mediator for Fresh Start Family & Divorce Mediation.

**FRIDAY: SESSION C**

**1:00 pm – 1:55 pm**

<p><b>C1 CARIBOU</b></p>	<p><b>George Taven</b></p>	<p><b>CTS – HRH Leadership, ENS &amp; HSS</b></p>	<p><b>CONNECTIONS – Amazing High School CTS Diversity and Leadership Course</b></p>	<p>CONNECTIONS is an amazing high school 5 credit Diversity and Leadership program that brings together Indigenous and non-Indigenous high school students from across Alberta to learn about Diversity issues and their own leadership skills and how they can use these skills to impact their schools and communities in powerful and positive ways. CONNECTIONS empowers students to "Be The Change" in their schools and communities. This session will introduce teachers to this wonderful program and how it is being impleted in high schools across Alberta. The findings and data from a recent analysis of the impact that CONNECTIONS is having on Indigenous and Non-Indigenous students' attitudes and behaviors towards each other will also be presented and the impact this is having on participating schools.</p>	<p>Teacher, Curriculum Program Designer and Program Administrator for over 35 years with the Calgary Board of Education. Has worked with all ages of students (K-12) and most recently has been working with 16 Alberta School Districts and over 60 High Schools in implementing the CONNECTIONS program as a CTS Leadership option course province wide, utilizing a multi-pronged blended learning process.</p>	<p>Lecture</p>
<p><b>C2 COUGAR</b></p>	<p><b>Mark Centazzo</b></p>	<p><b>CTS – NAT – PRS; TMT – FAB &amp; MEC</b></p>	<p><b>Trades Exposure Programming: Mobile – Welding &amp; Mechanics PLUS: Service Rig Training</b></p>	<p><b>Mobile Trades Lab</b> A transport unit that transforms into a workshop space to provide experiential learning in welding. <b>Mobile Mechanics</b> Essential tools and small engines move throughout schools without traditional facilities during the year, along with an Alberta aligned online mechanics program. <b>Service Rig Training</b> Students get an opportunity to gain hands-on skills in the Service Rig Sector of Oil &amp; Gas.</p>	<p>With a B.Ed. from the University of Alberta and a Masters from Royal Roads University I have worked for 4 Alberta school districts over the past 26 years. I served 13 years as a high school administrator and the past 3 as the Dual Credit Coordinator for Northern Lights Public Schools overseeing the Trades Exposure Programming.</p>	<p>Lecture</p>
<p><b>C3 GRIZZLY</b></p>	<p><b>Gerald Prost</b></p>	<p><b>CTS – MDC – Comm Tech &amp; Design</b></p>	<p><b>Creating Animated Films in Comm Tech</b></p>	<p>An animated film is an exciting tool to engage students in a flexible An animated film is an exciting tool to engage students in a flexible, creative, team environment, which allows for personalization, problem solving, technical skill development, and the development of soft skills. This presentation will provide strategies for selecting a suitable topic or script for a film. Techniques will be presented to help with classroom management, managing files, software training, and assessment. Participants will see finished films and hear how creative, technical and pedagogical problems were handled. The role of the teacher will be discussed as will hardware and software assets. The program of studies will be discussed as it relates to this type of project. The goal of this session is to provide Com Tech teachers with a roadmap to implement animated films into their programs. Films referenced in this presentation include: "Yellow Submarine" <a href="https://vimeo.com/213254625">https://vimeo.com/213254625</a>, "Hungry, Need Brains" <a href="https://vimeo.com/24972174">https://vimeo.com/24972174</a> and "Will He Live" a film currently in production.</p>	<p>Gerald Prost has been teaching New Media at the high school, college and university level since 2000. He has also done commercial work as a photographer, videographer, filmmaker, animator, instructional designer, and web designer. Clients include: Clarica, Deloitte and Touche, Rent-A-Wreck, Investors Group, The Alberta Special Olympics, Canadian Debt Assistance, Sage Theatre, University of Lethbridge, The Museum of the Regiments, The Boreal Institute, and the Russian-German Heritage Society. Currently Gerald teaches at Dr. EP High School in Calgary.</p>	<p>Lecture</p>

<b>C4 PRIVATE (FRONT) ROOM</b>	<b>Candace Beaton</b>	<b>ALL CTS; General; OTHER - Career Education</b>	<b>Using STEM to Address Curriculum Outcomes in Career Education</b>	Approximately 70% of the top jobs in Canada require some form of STEM (science, technology, engineering, and math) education. Some careers that require a background in STEM are obvious (eg. Health and medical professionals, engineers, scientists), but many are not (eg. journalists, welders, computer animators, chefs, etc.). Many students limit their future career opportunities by opting out of STEM courses and programs while still in high school because they are not aware of the wide variety of exciting careers that require STEM. Let's Talk Science has developed a careers section available through its CurioCity program to showcase interesting STEM careers. In this session, participants will learn how to address curriculum outcomes involving career education. Using CurioCity's free careers section, participants will also identify resources and opportunities that fit their classroom and students.	Candace Beaton, a former Calgary Board of Education educator, is an Education Program Consultant for Let's Talk Science, a national, charitable organization focused on education and outreach to support youth development. Let's Talk Science creates and delivers unique learning programs and services that engage children, youth and educators in science, technology, engineering and mathematics (STEM).	<b>Discussion / Extensive Group Work</b> <b>Participants are encouraged to bring a device that will allow them to access the internet. Time will be allotted for exploration of the resources mentioned.</b>
<b>C5 SQUIRREL</b>	<b>Mhairi Miskew; Tanus Davidge</b>	<b>CTF – Foods &amp; Fashion</b>	<b>Foods and Fashion for the Middle Years Part 2 – Challenge Descriptions and Planning</b>	Join us for a Foods and Fashion sharing session of CTF design challenges, rubrics, outlines, websites and more! We will do a Powerpoint of a Halloween Party challenge for Foods and a Pincushion Challenge for Fashions. As well as show examples of how we assess in our classes. For those not familiar with Yammer, we will introduce you to this great CTF collaboration site as well. Part 2 - Challenge Descriptions and Planning - Join us for a Foods and Fashion planning session of CTF design challenges. Be prepared with your creativity and thinking caps to work on challenge ideas of your own. If you miss Part 1 we will also share with you the numerous websites and collaboration groups that you can utilize in your classes during this session as well. Let's all leave with some gem ideas so we can work smarter not harder.	Mhairi Miskew is a Foods and Fashion teacher at St. Theresa Middle School in Sherwood Park with Elk Island Catholic Schools. She has taught for 19 years, numerous subjects and grade levels. She has found her passion in the CTF courses of Foods 5-8 and Fashion 7 and 8. Tanus Davidge is a Foods and Fashion teacher at FR Haythorne Junior High School and Elk Island Public Schools. She has taught for 23 years and gets to play everyday from Foods and Fashions to Creative Crafts to DIY and Personal Image Design. Lately, her passion involves setting up a makerspace within her school for all the students to enjoy.	<b>Lecture</b>
<b>C6 WAPITI</b>	<b>Dennis Kambeitz</b>	<b>BIT – Computing Science / CTF</b>	<b>Can You Program a Robot? Yes, You Can!</b>	In this super-fun and interactive session, you'll program a Humanoid Robot to wave, talk, understand verbal commands ... and even recognize you and greet you by name! No Experience Necessary. Anyone can do this!	Dennis is recognized as a leader in understanding how technology will impact the workforce over the coming decade, and what educators need to do to prepare our students. He has trained hundreds of educators, and his innovative approach has helped thousands of students (of all skill levels) learn robotics and programming.	<b>Hands-on; Workshop (2.5 hours)</b>
<b>C7 WOLVERINE</b>	<b>Bill Lomax, Lana Rissling, David McCann</b>	<b>ALL – CTS /CTF</b>	<b>Career Education Update:</b>	This session's presentation and discussion will focus on updates from Alberta Education's Career Team (CTF, CTS, Off-Campus Education and Dual Credit Programming)	Bill Lomax is the Senior Manager with Alberta Education, responsible for Career and Technology Studies. David McCann is the Senior Manager with Alberta Education, responsible for Career and Technology Foundations. Lana Rissling is a Senior Manager with Alberta Education, responsible for Careers, Dual Credit and Off-Campus Education.	<b>Lecture</b>

<b>C8 BALLROOM – SIDE 1</b>	<b>Randi Tajcnar</b>	<b>ALL CTF</b>	<b>Skills Exploration Days – CTF Career Exploration Experience</b>	Skills Canada Alberta believes that connecting with youth in junior high serves to support students at a pivotal point in their education journey. Skills Exploration Days was created to meet this opportunity, bringing the unique and energetic spirit SCA is known for to junior high students across Alberta. Building on the Maker Day model, design-thinking mindset, and Alberta Education's Career and Technology Foundations (CTF) Program of Studies, teachers will gain insight into this exciting new program including how to implement the design-thinking process into the classroom.	Randi Tajcnar, the Education Facilitator at Skills Canada Alberta, and I am thrilled to bring our programming to you! I combine a background in Education and Psychology, with industry-specific experience as an Environmental Technologist to deliver informative and engaging presentations to junior and senior high students and teachers across Alberta.	<b>Lecture</b>
<b>C9 BALLROOM – SIDE 2</b>	<b>Sandra Anderson</b>	<b>ALL CTS / CTF</b>	<b>Maker Technology in your ATA Library</b>	Are you interested in trying maker technology risk-free? We can make your dreams come true! Come learn about and try out the maker technology available through your ATA Library. Sandra Anderson, our ATA Librarian will explain how you can borrow this technology and what supports we have for you.	Sandra Anderson is the librarian who heads Alberta Teachers' Association Library. She is an entertaining presenter with a passion for technology. She is an active voice on social media for the ATA Library and the DEHR committee and created the new collection of Maker Kits in the ATA Library	<b>Lecture</b>

2:00 am – 2:25 pm

**Wellness / Nutrition Break & Networking Opportunity**

## **CANMORE HIGH SCHOOL**

<b>FRIDAY 2:00 – 4:30</b>	<b>FOODS LAB</b>	<b>Paula Hatton – CAKE BOSS CHALLENGE</b>	In this session, participants will be introduced to a CTF Culinary 'Cake Boss' Challenge for Grade 9 students. Participants will learn how to conduct this challenge in their own classrooms and learn the basics of cake decorating using fondant. Participants will have the opportunity to work with fondant and try their hand at cake decorating. Space will be limited to 20 participants.	<b>HANDS – ON WORKSHOP</b>
	<b>CONSTRUCTION SHOP</b>	<b>Rob VanderLee – Managing the CTS Classroom</b>	This will be a Round Table Discussion – everyone is welcome. Gather ideas, share ideas, let's look at the Module Based CTS Curriculum and gain insights into how to make it work for you as a teacher in a shop.	<b>ROUND TABLE DISCUSSION</b>
	<b>MECHANICS SHOP</b>	<b>CLOSED</b>		

**FRIDAY: SESSION D**

**2:30 pm – 3:25 pm**

<p><b>D1 CARIBOU</b></p>	<p><b>Joe Clark</b></p>	<p><b>ALL CTS &amp; CTF</b></p>	<p><b>Aging Equipment Repair and Replacement in CTS and CTF. Predicting the Future of CTS.</b></p>	<p>Many of our schools are 20+ or even 30+ years old and we have equipment that is as old as the building. I would like to guide a discussion on equipment repair / replacement, from compressors to cosmetology chairs to kitchens and welders. What are our repair and replacement options, can we do district 'deals' to get better pricing like our technology people do for bandwidth? What kinds of equipment will we need in the future ... can we afford it?</p>	<p>EIPS Learning Services is a small but mighty department that serves 42 schools, 600+ teachers and over 17,000 students. Learning Services has an Educational Technology focus, but works to provide all sorts of solutions to challenging educational situations. Our focus is on supporting CTF, CTS, BYOD, Off-Campus Education, Computational Thinking, Innovation, FSL and LTPF. Joseph Clark is the Director of Learning Services. Joe has a wide variety of experience and expertise working as a teacher, administrator, and director for EIPS as well as at Alberta Education. Joe supports Jon and Danielle with time, and resources to create meaningful PD Opportunities for teachers, and engaging classroom experiences for students. Joe is instrumental in supporting our CTS programs across the division, and is the go to guy for equipment, training and information.</p>	<p>Lecture</p>
<p><b>D2 COUGAR</b></p>	<p><b>Gareth Thomson &amp; Adam Robb</b></p>	<p><b>ALL CTS &amp; CTF</b></p>	<p><b>101 Resources to Support Your Environmental Project</b></p>	<p>Are there organizations out there interested in supporting student engagement through environmental projects? Heck, yes! Gareth, Adam and your fellow teachers will outline some of the fabulous resources - grants, awards, contents and other incentives! that you can tap into. Resources come in many surprising forms to support environmental projects. Will we get to 101 resources? Come find out ...</p>	<p>Gareth Thomson is the Executive Director of the Alberta Council for Environmental Education, with almost three decades of experience in environmental education. He worked for the government of Alberta and then as Education Director for an NGO. He has an engineering degree, an M.Sc. in Environmental Geology, and is a certified teacher. Gareth lives in Canmore. Adam Robb believes that students deserve to have the chance to design solutions that will result in stronger, more resilient communities. His students have presented and keynoted at conferences and pitched the Alberta premier on solar energy. Adam received the Alberta Excellence in Teaching Award and teaches CTS in Calgary.</p>	<p>Lecture</p>
<p><b>D3 GRIZZLY</b></p>	<p><b>Andrew Johnson</b></p>	<p><b>CTS – MDC – Comm Tech &amp; Design</b></p>	<p><b>Enriched Visual Media Tools for Design</b></p>	<p>Enriched Visual media experiences can enhance CTS programs including Architecture and Design Studies by transporting students to much higher planes of perception and engagement. Revolutionary rendering software like Lumion enhances freely available CAD software like SketchUp and Revit allowing students to create amazing hyper-realistic views and walkthroughs of their home design work. In addition by using VR solutions such as IRIS VR or Unity software with Oculus VR Equipment we may enhance 3D Design further by guiding our students into virtual interactive walk-throughs of their own design environments. The closer we move students to experiencing their designs first-hand the more personal and exciting CTS design classes will become. This session will help teachers become familiar with some of these cutting edge opportunities.</p>	<p>Andrew Johnson is a Learning Leader at Ernest Manning High School in Calgary. He has created a very effective design studies program for students including Architecture and 3D Design and Animation using the latest technology and cutting edge software.</p>	<p>Lecture</p>

<b>D4 PRIVATE (FRONT) ROOM</b>	Candace Beaton	ALL CTS; General; OTHER - Career Education	Using STEM to Address Curriculum Outcomes in Career Education		<b>CONTINUATION</b>	<b>CONTINUATION</b>	Discussion / Extensive Group Work
<b>D5 SQUIRREL</b>	Linda Johnson	CTS – HRH – Foods	Kombucha – Fermented Tea	Kombucha is a fermented tea drink. It is produced by fermenting tea utilizing a "SCOBY" or a "symbiotic colony of bacteria and yeast". Learn more about how this drink is made, check out a "SCOBY" and explore why it is considered a functional beverage. Participants will have the opportunity to taste examples of homemade brew after a first and second ferment, as well as sample commercially ready products. You will leave with the information you need to get started brewing, and with the knowledge of how to incorporate Kombucha brewing into your FOD 3120: Food Evolution / Innovation Course.		Linda Johnson is a Foods, Fashion and Design teacher at J.H. Picard School in Edmonton for grades 7 - 12. When not in the classroom she is often found in her own kitchen playing with food and trying out interesting recipes. She has been hooked on brewing kombucha for a couple of years and looks forward to getting you hooked too!	Lecture; Taste Sampling
<b>D6 WAPITI</b>	Dennis Kambeitz	BIT – Computing Science / CTF	Can You Program a Robot? Yes, You Can!		<b>CONTINUATION</b>	<b>CONTINUATION</b>	Hands-on; Workshop (2.5 hours)
<b>D7 WOLVERINE</b>	Bill Lomax, Lana Rissling, David McCann	ALL – CTS /CTF	Career Education Update:		<b>CONTINUATION</b>	<b>CONTINUATION</b>	Lecture
<b>D8 BALLROOM – SIDE 1</b>	Rick Regoto	CTS – MDC	Image Transfer Technologies	Reward your students with the opportunity to be individual in displaying of their graphic abilities in an impressive and unique way. Explore the latest ways and means of transforming pictures, logos, artwork and sketches onto a variety of customized products. Within this hands-on workshop you will be introduced to the simplicity of transferring any digital image onto a wide variety of substrates through the process of sublimation as well as the latest in laser transfer technologies. It's not only practical but fun to create your own t-shirts, uniforms, plaques, water bottles, mugs, mouse pads, key chains, bag tags, plus hundreds of other products. Great for team recognition, student awards, teacher appreciation, motivators, staff appreciation, graduation gifts, incentives and revenue generation, these cost-effective processes produce full color products that will be cherished for a long time.		When it comes to image transfer technologies, Rick Regoto is considered to be one of the leading experts in the industry. Even though his background was business management and oilfield related, he founded Image Creations Inc. in 1994 out of his love for photography and image reproduction. With the rapid growth of new imaging technologies, Rick has diversified his company to grow within this industry offering not only expertise but also the equipment and products focusing on the latest image transfer methods. Today Image Creations Inc. is one of the major providers of sublimatable substrates into the photo gifting marketplace throughout North America.	Hands-on; Workshop
<b>D9 BALLROOM – SIDE 2</b>	Damian Matheson	ALL CTS & CTF	One CTF / CTS Growth Portfolio to Rule Them All	Connect student work from K-12 with myBlueprint. All About Me (K-6) is a kid friendly, digital portfolio that encourages career exploration, inquiry based reflection and showcases growth from year to year. CTF/CTS - The education, career and life planner (7-12) provides students with a self-directed resource to meet Health outcomes, display CTS accomplishments and plan for life after high school.		Damian Matheson is passionate about impactful technology and its use within education (specifically career and life planning). Damian hopes to help transform a student's decision making process in respect to life after high school by combining new intelligent technologies with experiential learning.	Lecture



3:30 pm – 4:00 pm

VENDORS / EXHIBITORS OPEN

5:30 pm – 6:30 pm

Dinner Buffet

FRIDAY NIGHT

KEYNOTE

6:00 pm -6:55 pm

### JEFF BUTLER – Preparing Your Students for the Tech Industry



**Bio:** Jeff Butler is a speaker, author and passionate millennial who helps organizations improve their relationships of millennial employees. A native Californian and raised in Silicon Valley, he graduated from UC Berkeley with a degree in Computer Science. Unlike other experts on millennials, Jeff has been in the trenches of what it means to be a millennial and what it takes to retain and keep them engaged. With Jeff's versatile background, he has helped fortune 500 companies and thousands of professionals across the United States - in addition to appearing on TEDx in both 2016 and 2017.

7:00 pm – 7:55 pm

**BALLROOM CLOSED FOR SET-UP**

FRIDAY NIGHT

CELEBRATION

8:00 pm-1:00 am

### HEAVY METAL GALA

*Come and join colleagues to network and share in the fun evening of going back to the 80's. Unbelievable precious metal prizes, great ol' Rock music trivia, food and drink, press-on "Tattoos" for the young at heart, dress up photo booth, live music, entertainment and a Funtastic time for all!!  
Door Prizes will be awarded throughout the evening.*

**GOOD NIGHT! SLEEP WELL!**

# SATURDAY, November 25th

7:30 am – 1:00 pm

**REGISTRATION DESK OPEN –  
If you have Questions – come see us!**

8:00 am – 1:00 pm

*Vendor / Exhibitor Display Open for Delegates to Browse*

8:00 am – 8:55 am

**Breakfast Buffet**

**SATURDAY  
AGM  
8:00 am –  
8:55 am**



## CTEC COUNCIL – ANNUAL GENERAL MEETING

### CANMORE HIGH SCHOOL

<b>SATURDAY 9:00 – 11:30</b>	<b>FOODS LAB</b>	<b>Debra McLennan – Let’s talk PULSES! Everything you wanted to know about peas, beans, lentils and chickpeas!</b>	Did you know that pulses are dry peas, beans, lentils and chickpeas and we grow them right here in Alberta? Come to this interactive session and discover more about the pulse industry in Alberta, how to prepare pulses and get some ideas to help you incorporate pulses into your class curriculum. Get your taste buds ready to try a variety of samples showcasing the great taste and versatility of pulses!	<b>HANDS – ON WORKSHOP</b>
	<b>CONSTRUCTION SHOP</b>	<b>Rob VanderLee – Creating Items for Sale: MakerSpace Xmas Box</b>	No shop experience is necessary – come and see what can be accomplished. Have some fun trying out a MakerSpace Environment with an Encouraging Teacher.	<b>HANDS – ON WORKSHOP</b>
	<b>MECHANICS SHOP</b>	<b>CLOSED</b>		
<b>SATURDAY AFTERNOON</b>	<b>Christmas Market at the School (Everybody welcome!)</b>			

# SATURDAY SESSIONS; E – G

## SATURDAY: SESSION E

**9:00 am – 9:55 am**

<b>E1 CARIBOU</b>	Glenn Finockio	CTS – BIT	<b>The Happiness Tracker – A “Maker” Experiment in Mood and Modeling</b>	“We tend to remember having been happy in the past much more frequently than we are conscious of being happy in the present.” “We don’t get to choose what happens to us, but we can always choose how we feel about it. And why on earth would you choose to feel anything but good?” “Teachers should have their own creative moments... so they can experience for themselves the fear that happens in the midst of making.” In this session, follow the journey of a teacher who decided to challenge himself by building a project to track and measure the “happiness level” of his students over a period of time. This session will focus on student wellness, the “maker” culture, teacher modelling and the value of student (and teacher) mindfulness.	Mr. Glenn Finockio is an English Literature teacher masquerading as a CTS teacher masquerading as an expert on student wellness and thinking. He believes that one of the best ways for students to learn is to emulate the educational values and attitudes of their teachers. He has taught in 3 provinces over the span of two decades, in a variety of environments. Glenn currently lives in Calgary with his wife Andrea, his dog Steve and his rabbit Winkler.	Lecture
<b>E2 COUGAR</b>	Keith Christensen	ALL CTS	<b>Design Thinking for Innovation – a Locally Developed Course</b>	Design Thinking for Innovation (DTFI) is a Calgary Board of Education, locally developed high school course, recently approved by Alberta Education for the 2017 – 2021 schools years. One of the first of its kind in Alberta, this process-driven course encourages students to engage in the development of real-world, long-term increasingly complex, interdisciplinary, innovation projects. Keith Christensen, the author of the course, will overview the course, explain the outcomes, discuss possible delivery models and share project ideas. Opportunities for other jurisdictions to offer the course will be discussed. Time will be available for discussion, questions, brainstorming, and application dreaming.	Keith Christensen has been a Calgary Board of Education teacher since 1999. During this time he has taught from grades 4 to 12, opening 3 new schools along the way. Currently, he is the CTS Learning Leader at Robert Thirsk High School, specializing in design, electronics and robotics. He is known for his creative and innovative spirit and for being a leader in educational practice. His passion for education is to move students beyond the current model of consumption to engagement in original production through the pursuit of longer term, interdisciplinary, innovation projects of personal interest and passion. He is a maker, innovator, public speaker and author of one of the first process driven high school courses approved by Alberta Education – Design Thinking for Innovation.	Lecture
<b>E3 GRIZZLY</b>	Sandra Anderson	ALL CTS - CTF	<b>Fantastic Resources and Where to Find Them</b>	We can waste a lot of time on Google looking for resources. Have you ever wondered if there is a better way to search? THERE IS!! Sandra will demonstrate how to create better searches that find better resources. She will also reveal some web resources that are hidden gems of the internet.	Sandra Anderson is the librarian who heads the Alberta Teachers’ Association Library. She is an entertaining presenter with a passion for technology. She is an active voice on social media for the ATA Library and the DEHR committee and crated the new collection of Maker Kits in the ATA Library.	Lecture
<b>E4 PRIVATE (FRONT) ROOM</b>	Alicia Kneeland-Teasdale	HRH - Esthetics	<b>Esthetics – Facial &amp; Body Adornment</b>	For Cosmetology, Esthetics, and HSA teachers. We will be exploring different topics to cover the outcomes for the EST 3060 Course. Hands-on activities include Henna, Tattoo design, Sharpie tattoos, practice piercing and skin jewels. Supplies will be provided. Digital copies of theory lessons and assessments will be available, bring a memory stick. Session limit of 15 participants – first come, first served.	Alicia Kneeland-Teasdale is teaching her 8 <sup>th</sup> year of Cosmetology at Wm. E. Hay Stettler Secondary Campus. She has been a Red Seal Journeyman hairstylist for 17 years, and holds Esthetics certification as well as a B.Ed. from U of A. Alicia has been the Member Services and Promotions Executive Member on CTEC for the past 3 years.	Hands-On / Interactive <b>15 participant LIMIT</b>

<b>E5 SQUIRREL</b>	<b>Martin Hass</b>	<b>ALL CTF</b>	<b>Your World is no Longer Flat!</b>	CTF and CTS is much more than just a curriculum... <b>It is a way of Teaching and Learning!</b> Every participant takes home a <b>brand-new 3D Printer</b> (OK ... not quite what you think, but you do so never-the-less. "SWEET!!!" you'll be saying!) Looking for a way to engage your students and help trepidatious teachers across ALL GRADES and ALL SUBJECTS bring their classes alive by "CTFing!?" In 50 minutes, each participant will be empowered to create a challenge of specific interest to their own teaching or life, print it in 3D and, be ready to share their new skills with their faculty back home. See you there for some great fun and learning. Absolute novices to extreme experts welcome!	Martin Hass is an ever-innovating (nice way to say fails often, and even epically on the path to creating value) learner from life and those around him and, through this, a teacher. Engaging students to encounter learning through authentic life experiences sparked by "What you Like, Love and makes you Happy", every student, every semester, creates their very own "Passion Project" from across any CTF Strand. Diverse engaged and well cared for learning marks his 8-year career as a CTF Specialist.	<b>Without technology, create your own CTF Challenge AND your own 3D solutions right at your "kitchen" table or student desk.</b>
<b>E6 WOLVERINE</b>	<b>Mark Murray &amp; Dirk Meyer</b>	<b>ALL – CTS / CTF</b>	<b>e-Learning – Moodle LMS: Quickstart Classroom to Online</b>	Are you and your students using computers to do school work? We'll show you how you can create a digital extension to your classroom using a popular free Learning Management System called Moodle. You will be shown how easy it is to go from classroom to web based eLearning. eLearning provides students 24/7 access to their learning materials. Somethings we will cover: Providing documents to students efficiently, setting up dropboxes, grouping students into cohorts, using quizzes as formative assessment, self-check tracking tools, and how to quickly (drag and drop) your current teaching resources online. Bring your laptop to join in interactive activities. You will leave with the tools to start using Moodle!	Mark Murray taught CTS Mechanics in Edmonton. He holds a Master's Degree in Education that focused on Technologies for eLearning. Mark is General Manager of CDX eLearning Canada and is currently involved in developing eLearning programs for schools and colleges across Canada. Dirk Meyer has enjoyed a rewarding career in Education since 1998. He works at the Education Centre for RockyView Schools in the capacity of Learning Specialist with a focus on technology and in particular the Moodle system. Dirk has taught BIT and MDC modules and continues to offer online Computer Science classes to RockyView students.	<b>Lecture</b>
<b>E7 BALLROOM – SIDE 1</b>	<b>Susannah Killey</b>	<b>MDC - Fashions</b>	<b>Basic Skirt Drafting</b>	Pattern drafting can be very intimidating for a beginner but this step-by-step class will help you understand some of the basics to creating your very own skirt pattern. Participants will learn how to create a basic skirt block in both 1/4 scale and full scale. From there, we will discuss some of the ways to alter a pattern to create a variety of styles.	Susannah Killey is a fashion studies teacher at Blessed Oscar Romero High School in Edmonton. She has been a high school fashion teacher since 2005 and is passionate about this subject area. Her main interests lie in historical reproduction, costuming for theatre and quilting.	<b>Hands-on; Workshop</b>
<b>E8 BALLROOM – SIDE 2</b>	<b>Theresa Frogner</b>	<b>CTS – MDC – Fashion</b>	<b>How to Make a Christmas Stocking</b>	This is a great sewing project for all levels! The project includes: quilting, hand embroidering, good ironing skills and a lot of creativity! This will get you in the mood to get going on your Christmas projects! We will be making a Christmas stocking. <b>You will need to bring: a sewing machine, 1 meter of red or green broad cloth, 1 meter EACH of 3 different Christmas fabrics, .5 meters of quilting batting ex. Cotton quilting batting (do not get the fluffy batting), 1 embroidery needle and thread you will be embroidering a name, lastly thread to match your broad cloth.</b>	I have been working with the CBE since 1996. I graduated U of A with a major in Home Economics. I have taught Fashion at the junior high level for 10 years and high school level now for 9 years. I have trained students for Skills Alberta for the past three years. My passion is Fashion because one can make some pretty unique and cool things and clothes! Other things I enjoy doing is running, cycling and kayaking!	<b>Hands-on; Workshop (2.5 hours) See List of Items to BRING</b>
<b>E9 BALLROOM – SIDE 3</b>	<b>Chris Olford; Jeff MacLeod</b>	<b>ALL CTS / CTF</b>	<b>Xello – Strategic Planning Your Career for Students</b>	Students are more likely to reach their potential when they understand how education will help them create the future of their choice. An individual plan that connects what they do in school with personal meaningful goals for the future inspires them to do better. Come learn how Xello aligns with CTS and how it can help educators across Alberta.	Chris Olford manages clients across North America in both French and English. He helps tailor Xello to specific needs for an optimal experience. Jeff MacLeod helps educators implement Xello to prepare students for their future; helping identify what they want to do earlier.	<b>Lecture</b>

## SATURDAY: SESSION F

10:30 am – 11:25 am

<b>F1 CARIBOU</b>	Beth Castle	CTS / CTF	<b>Alberta Beef from Pasture to Plate</b>	Alberta Beef from Pasture to Plate! Out Famous Alberta Beef! Come and find out why we have such delicious beef. We will go over from Farm to Table, Tender Cuts, Tough Cuts, How to Cook with Ease, By-Products, Nutrition, Food Safety and more. Presented on a visually appetizing and entertaining animation presentation. Be prepared to some cow jokes along the way to laugh or groan at, whichever you prefer. This is just a portion of what a presentation could be like for Food Studies or Culinary Classes. In this format, we all get an opportunity to learn about why we love us some Alberta Beef!	Beth Castle is a Dietary Technician with 31 years experience helping people with their nutritional struggles. Beth puts some humor into her talks to lighten the stress associated with food. She has won 4 awards for her book on "Stop Emotional Eating, Fix Food Cravings, Find Your Metabolism and More!" This book has also been featured at the 38th Annual Daytime Emmy Awards. Beth works as an Educator for Alberta Beef Producers, Alberta Port Producers and in the past for Egg Farmers of Alberta. Beth also assists Remote Oilfield Employees in her business "Redneck Nutrition". Beth guides these folks to make better decision that affect their health and their job in remote hotel, convenience store and fast food environments with success!	Lecture
<b>F2 COUGAR</b>	Mitchell Way	GEN - Assessment	<b>Foundations for Creativity &amp; Success: Competency &amp; Outcome Assessment and the Mandela Prototype</b>	In 2016 we opened Nelson Mandela School, an 1800 student high school in NE Calgary. Founded on the principles of High School Redesign we embraced both Competency and Outcome based assessment. This session will walk through the on-the-ground strategies, rubrics and methods that were used in the first iteration of Mandela's way of implementing this method of assessment in CTS.	Mitchell Way is the CTS Learning Leader at Calgary's Nelson Mandela High School. He proudly runs the Lab Under the Stairs, a robotics and pre-engineering lab that is focused on churning out creative, innovative and technologically skilled students into a variety of areas in the engineering sciences.	Lecture
<b>F3 GRIZZLY</b>	David Teasdale	CTF	<b>Incorporating Coding (Programming) into your CTF Program</b>	Coding (or Computer Programming, as it was once called) has been included in many grade school technology classrooms since the introduction of the Black Apple II's in the early 1980s. This session will introduce one approach to incorporating Code.org's resources and MIT's Scratch programming in a CTF classroom. No prior experience in coding is needed to participate in this session. Bring an internet capable device.	David has been a CTS Teacher in BIT, MDC & TMT for the past 25 years. He tries to incorporate technology into his classroom when it makes sense, and enjoys learning new skills to use in his CTS and CTF classes. He has worked with ETCATA and CTEC Conferences for many years as an executive member & conference presenter.	Lecture
<b>F4 PRIVATE (FRONT) ROOM</b>	Gina Troskot	CTF – Design – Fashion	<b>Crochet ... a Granny Square, CTF Project, Blankets for Canada</b>	Participants will learn to crochet a 15 x 15 cm granny square using the double crochet stitch. All directions will be provided as well as hands on time to create the granny square. Completed samples will be displayed. Supplies will be provided. Participants can bring their own crochet hook (sizes 5, 5.5, 6 or 7m) and yarn (3 ply or thicker style yarn) if they want to take their started project home. Beginners are welcome. Presentation is intended to train the trainer, so the skill can be taught to CTF students to make blankets ... (Blankets for Canada project).		Hands On / Interactive Bring your own crochet hook (sizes 5, 5.5, 6 or 7 m) and yarn (3 ply or thicker style yarn)
<b>F5 SQUIRREL</b>	Michelle Ashmore	ALL CTS	<b>SAIT – Your Student's Connection</b>	Available programs (certificates, diplomas, degrees and apprenticeships); admission criteria; how SAIT is different than other post-secondary institutions; scholarship and bursary information; student services; athletics, student clubs and much more!	Michelle Ashmore is the Student Liaison Team Lead and has been at SAIT for close to 25 years in different roles.	Lecture

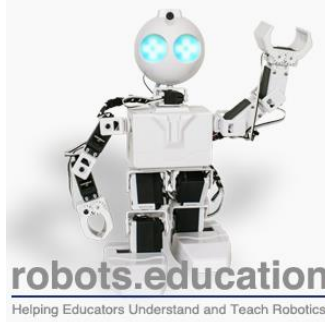
<b>F6 WOLVERINE</b>	Mark Murray & Dirk Meyer	ALL – CTS / CTF	e-Learning – Moodle LMS: Quickstart Classroom to Online	CONTINUATION	CONTINUATION	Lecture
<b>F BALLROOM – SIDE 1</b>	Susannah Killey	MDC - Fashions	Basic Skirt Drafting	CONTINUATION	CONTINUATION	Hands-on; Workshop
<b>F BALLROOM – SIDE 2</b>	Theresa Frogner	CTS – MDC – Fashion	How to Make a Christmas Stocking	CONTINUATION	CONTINUATION	Hands-on; Workshop (2.5 hours) See List of Items to BRING
<b>F4 BALLROOM – SIDE 3</b>	Deb Vance, Tanis Lambert	CTS – BIT – FIN MGMT; CTF	Supporting Student Engagement in Financial Literacy, Lesson Plans for CT Foundations and Financial Management	Come and see how you can support Financial Literacy in a more engaging format. Talk with some experts and go home with lesson plans and ready to go assignments / tasks that will engage and excite your students to become more Financial Literate!	Debbie Vance worked as an educator and Senior Administrator within the Calgary Board of Education for 33 years. A highlight of her career was the opportunity to design and implement the Career pathways Initiative within the Calgary Board of Education. Debbie spent two years working with the Provincial Government on a Cross-Ministry (Education, Advanced Education and Employment and Immigration) initiative called Connecting Learning and Work: The Career Development Strategy for Alberta. For the last five years, Debbie has worked with the College of Alberta School Superintendents to implement the Provincial Dual Credit Strategy for Alberta and Northern Gateway Public Schools. Debbie currently works on contract with the Canadian Foundation for Economic Education on Talk to Your Kids About Money (TWOKAM)	Lecture / Discussion / Interactive

11:30 am – 12:30 pm

Lunch Buffet

**SATURDAY LUNCH**  
**KEYNOTE**  
 11:35 pm -12:30 pm

**DENNIS KAMBEITZ – NAVIGATING A CHANGING WORKPLACE**



The coming decade will be defined by unprecedented changes in the workplace. Millions of jobs will be lost to technology while millions of new jobs will be created. Perhaps more importantly, it's critical that we understand that virtually all jobs will be affected. In this session, Dennis will detail the changes that are coming, how they will affect a broad range of industries and careers, and what steps we need to take within education to ensure that our students are prepared.

**BIO:** **Dennis Kambeitz** is recognized as a leader in understanding how technology will impact the workforce over the coming decade, and what educators need to do to prepare our students. He has trained hundreds of educators, and his innovative approach has helped thousands of students (of all skill levels) learn robotics and programming..

<b>SATURDAY: SESSION G 12:40 pm – 1:30 pm</b>						
F BALLROOM			CTEC COUNCIL	TMT	Networking Session	DISCUSSION / NETWORKING
F BALLROOM			CTEC COUNCIL	BIT	Networking Session	DISCUSSION / NETWORKING
F BALLROOM			CTEC COUNCIL	HRH	Networking Session	DISCUSSION / NETWORKING
F BALLROOM			CTEC COUNCIL	MDC	Networking Session	DISCUSSION / NETWORKING
F BALLROOM			CTEC COUNCIL	NAT	Networking Session	DISCUSSION / NETWORKING
F BALLROOM			CTEC COUNCIL	CTF	Networking Session	DISCUSSION / NETWORKING

**Noon – 5:00 pm**

**Christmas Market at Canmore High School**

*Thanks so much for coming.*

*Safe travels home!*

