

**Agents of Change:
Bonding CTF and CTS**

Inspiring, Innovative, Collaborative

November 24–26, 2016

Coast Canmore Hotel and Conference Centre
Canmore, Alberta

CTEC CONFERENCE - SESSION SCHEDULE

– last updated NOV. 16

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

Please wear your CTEC Conference name tag to all events & sessions.

LOBBY – CTEC REGISTRATION DESK

The Registration Desk is situated to the left of the main hotel registration desk. It is also outside the Ballroom where meal buffet lines will be located.

- ✓ **Thursday, November 24th – Desk Opens 1:00**
- ✓ **Vendor set-up 1:00 – 4:00**

KEYNOTE SPEAKERS:

**THURSDAY NIGHT
KEYNOTE
6:00-7:00**

MIKE REZANSOFF - Southern Manager, Building Trades of Alberta



Construction Skills & Recruitment: Choices for Today and Tomorrow Learn about how students are choosing to gain credits learning construction from real world trades professionals without the necessity of finding an employer first.

Bio: Mike is the Southern Manager of the Building Trades of Alberta. He works to support and promote the interests of the BTA members in areas of business development and government, owner/client, public, educational, and community relations. He represents the BTA on the board of directors of a number of organizations - Alberta Construction Safety Association, Manufacturers Health & Safety Association, Job Safety Skills Society, and The Educational Partnership Foundation. He also serves on the communications committee of the Coalition for a Safer Highway 63/881 and participates in the work of a number of construction industry committees and working groups.

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

NETWORKING RECEPTION – to follow

Visit the Wildrose Ballroom for a casual and informative evening of networking with colleagues and vendors.
At the reception, enjoy a complimentary drink and appetizers as you socialize connecting and reconnecting.

FRIDAY BREAKFAST
AGM
8:00-9:00



CTEC COUNCIL – ANNUAL GENERAL MEETING

FRIDAY LUNCH
KEYNOTE
12:00-1:00

SCREAMIN' BROTHERS – I Scream, You Scream, We All Scream for...Dragons' Den; Alberta Business Awards of Distinction 2016 - Winner

Bio: Dragons' Den; Nominated for Lethbridge's Top 40 under 40; ABAD Young Entrepreneur Award; Alberta Business Awards of Distinction 2016 - Winner

FRIDAY NIGHT
KEYNOTE
6:00-7:00

JASON HAGEN - FITMetabolism Inc. - How to Go from Doing Right Things to Doing Things Right!

There are numerous instructions about what to do to gain better health, but very few are given appropriate long term guidance with which to carry out those instructions. In this presentation Jason will teach you how to go from doing right things to doing things right. In turn, these strategies you learn in this presentation will also give you the skills to teach your students how to change their own health behavior. A dead battery can't charge a dead battery. Learn how to charge your battery to better charge the people that you influence.

Bio: With a Master of Science in Exercise and Health Physiology degree from the University of Calgary, Jason is highly sought after as a consultant, expert speaker and health coach. With a Master of Science in Exercise and Health Physiology degree from the University of Calgary, Jason is highly sought after as a consultant, expert speaker and health coach. Jason has worked with the Physicians Primary Care Network and led the implementation of an innovative medically supervised weight management pilot project delivered with distance technology. This project in turn was published as The Proposal of a Collaborative Model of Care between Nurses, Physicians and, Community Based Partners for the Treatment of Obesity in the Canadian Journal of Diabetes. Additionally, he has been published in numerous scientific journals including the Journal of Gerontology and Journal of Applied Physiology. Further strengthening his presence in the medical community Jason currently proctor's physicians from the University of Calgary Cumming School of Medicine during their obesity rotation and has examined wellness prescription for the Objective Structured Clinical Evaluation (OSCE) for internal medicine unit to assess the competency of medical students. Jason's vast experience includes over 10,000 hours of coaching experience in the area of behaviour change and weight management.

FRIDAY NIGHT
CELEBRATION
8:00-1:00AM

CASINO ROYAL - Get your James Bond '007' Fix at this fun party casino and dance!!

- costumes optional (\$25 - Register online or through the registration desk.)



Come and join colleagues to network and share in the "Party Casino" games (*using Funny Money*) and your favorite 'James Bond' themed evening with great music provided by The Brad Abel Duo; mid-evening Poutine Bar reception included.

(Optional: wear black tie, wear your favorite 'Bond' type apparel or come as your favorite 'James Bond' character)

Prizes will be awarded throughout the evening for costumes, named prize draws, and *Funny Money* exchange (at the end of casino play) with a dance to follow.

➤ **Grand Prize – a beautiful diamond provided by Kavia Fine Jewellers, Canmore, AB.**

**SATURDAY BREAKFAST
KEYNOTE
8:00-9:00**

Mike Shaw - Director of SafeStart Education & Athletics - "Walking the Thin Line between Risk and Reward"



Bio: Bio: Mike Shaw started working in student safety in 2014 after recovering from a traumatic skiing accident in which he dislocated his neck and was temporarily paralyzed from the neck down. He is a UBC graduate with a degree in business administration and has a background in athletics, freestyle skiing and high-performance coaching. Mike's unique story of triumph embodies human resilience in its purest form and it fuels his passion to help students improve their safety and performance with SafeStart. In his presentation, Mike shows us how it's not the most dangerous things we do or the activities with the most risk that typically get us hurt. The perspective Mike shares on risk and reward will surely enlighten you.

His one-of-a-kind recovery story and a gracious perspective on life allow Mike to connect with audiences and provide them with an unforgettable learning experience.

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

DEBBIE VANCE, LANA RISSLING, DUAL CREDIT STUDENTS - Dual Credit - Jump Start Your Future



Earn High School Credits and Post-Secondary Credits at the same time while in High School!

Given the complexity of moving through learning systems, students need seamless, personalized pathways as they transition from high school to post-secondary to future employment. Dual credit programming is where high school students participate in apprenticeship training or post-secondary, college or university courses earning both high school and post-secondary credits for the same course.

Student Presentations: Rural, Urban and Indigenous Students share their Dual Credit Experiences

*"It has shown my son a whole new world and now he can't wait to go to college. He knows what he wants to do for the rest of his life."
(Parent of a student receiving dual credit programming.)*

Bio: Debbie Vance, Director Dual Credit, College of Alberta School Superintendents and Lana Rissling, Team Lead, Dual Credit and Off Campus will facilitate this student led session. Three students will present their personal dual credit experience and the Secondary Lead and Post-Secondary Partner will be at the session to answer any questions about dual credit programming.

NOTE: Please note that some sessions have additional requirements:

<p>FRIDAY A 9:00 – 10:20</p>	<p>Gina Troskot MDC - FAS CTF</p>	<p>Crochet Away NOTE: Supplies: crochet hook, size 6mm or larger and a skein of "Chunky" yarn. Some supplies will be available to purchase at cost or 'borrow' for the session.</p>
<p>FRIDAY SCHOOL C & D 1:15 – 3:45 Fashion Lab</p>	<p>Susannah Killey MDC - FAS</p>	<p>PRE-REGISTER: The Basics of Corsetry NOTE: please contact the Conference Director (conferencedirector@ctscouncil.com) to pre-register to ensure a \$15 supply kit is available for purchase. NOTE: As sewing machines are limited, participants may want to bring their own.</p>
<p>SCHOOL E & F 9:00 – 11:30 Fashion</p>	<p>Beth Ann Caufield, Gina Troskot MDC-FAS CTF</p>	<p>String Quilting NOTE: Participants, please bring rotary cutter, cutting mat and a good supply of scrap fabric, 10-inch length or larger and white thread spool.</p>

THURSDAY SESSIONS

SESSION SECTION	SPEAKER	CTS/CTF AREA	SESSION TITLE	SPEAKER BIO	SESSION DESCRIPTION	TYPE OF SESSION
BALLROOM 2:00 - 5:00	Various	CTF	CTF Essentials Workshop - Pre-conference	<p>The Alberta Teacher's Association CTEC Council (formerly CTS/CTF) is hosting a hands-on workshop that will provide participants with strategic implementation tools, project facilitation techniques and, proven assessment strategies and reporting that are both student and parent friendly. Participants will be given numerous proven exemplars that will stimulate creative approaches and instill confidence in implementation and facilitation of successful cross-curricular CTF programs in your school.</p> <p>Participants will be mentored through the personal design process by a panel of successful CTF teachers from across the province. The workshop is designed to create CTF programs that are easily transferrable to create further projects in a school.</p>	<ul style="list-style-type: none"> ✓ Integrating CTF into Your School ✓ Planning Strategies ✓ Facilitation Strategies ✓ Cross Curricular Projects ✓ Grade 5-9 Success Stories ✓ Community Involvement -Exemplars and Strategies ✓ Assessment Exemplars <p>Participant Take-Away:</p> <ul style="list-style-type: none"> - Assessment Exemplars - Planning Strategies - Facilitation Strategies - Cross-curricular projects - Grade 5-9 success stories - Community involvement exemplars and strategies 	Lecture & Interactive

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



MIKE REZANSOFF - Southern Manager, Building Trades of Alberta

Construction Skills & Recruitment: Choices for Today and Tomorrow
Construction Skills & Recruitment: Choices for Today and Tomorrow Learn about how students are choosing to gain credits learning construction from real world trades professionals without the necessity of finding an employer first.

NETWORKING RECEPTION – to follow

7:00 – 10:00

Visit the Wildrose Ballroom for a casual and informative evening of networking with colleagues and vendors.
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VENDOR - NETWORKING OPPORTUNITY

FRIDAY SESSIONS

FRIDAY BREAKFAST
8:00-9:00



CTEC COUNCIL – Annual General Meeting

FRIDAY: A - 9:00 - 9:50

VENDOR - NETWORKING OPPORTUNITY

SESSION SECTION	SPEAKER	CTS/CTF AREA	SESSION TITLE	SPEAKER BIO	SESSION DESCRIPTION	TYPE OF SESSION
A1 & B1 9:00 – 11:30 WOLVERINE	Mark Murray CDX Learning Canada	TMT-MEC CTF- Technology	Moodle LMS: Quickstart (100 min.) NOTE: Bring your laptops for help in making changes to your CDX/Alberta Education MEC sites!!	Mark 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 Learning Canada and is currently involved in developing online courses using Moodle for all Provinces.	In September 2016, CDX Canada released its new MEC, ASA 3400 and HEA 3400 courses. All content is now in HTML5 format and can be accessed from virtually all devices. 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 <i>other CTS courses</i> 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. <i>If can drag and drop, you can build a course in Moodle!</i>	Lecture & Interactive
A2 & B2 9:00 – 11:30 CARIBOU	Neil Lindstrom	BIT-CSE	Computer Science 30 Assessment Practices – Learn and Share	All 13 years of Neil Lindstrom's teaching career have been spent at Memorial Composite High School in Stony Plain. Starting off teaching Math and Info Pro, I saw the desire of students to learn to Computer Science. I was excited when I was given the green light to create a Computer Science program at MCHS that has grown to take over the majority of my teaching assignment. Prior to joining the teacher profession, I leveraged my high school computer science training to join a development team with Bell Canada creating many workplace automation applications that led to helping roll out a new workforce management program at Bell.	Bring your Computer Science 30 resources and assessment practices to showcase and get help on creating great assessment practices for Computer Science 30. Computer Science 30 is eligible as an entrance requirement for many Alberta post-secondary programs. See how other teachers are evaluating their students and weighting assignments. Presenter will give a personal philosophy on CS 30 assessment and showcase how I evaluate my modules then look to have participants work together to have common goals and expectations for Computer Science 30.	Lecture & Interactive
A3 & B3 9:00 – 11:30 SQUIRREL	Garth Thompson Alberta Council for Environmental Education	NAT TMT-ELT ; MEC; PEN CTF- Human Services; Resources; Technology	Supporting Student Exploration and Action Around Global Climate Change	Gareth Thomson is an accredited teacher and the executive director of the Alberta Council for Environmental Education. He has worked as an environmental educator for twenty-six years, and lives in Canmore with his partner Kelly, three focused children, and a carefree dog. Adam Robb is a teacher/program developer who believes that students deserve to have the chance to design solutions that will result in stronger, more resilient communities. Adam received the Alberta Excellence in Teaching Award. He teaches Energy and Environmental Innovations at the high school level in Calgary.	Gareth Thomson and CBE teacher Adam Robb have built an education program that engages students around climate change, helping them explore concepts like interdependence, managing our global commons, and what they can do as active citizens to combat climate change. In this hands-on workshop, you'll 'learn by doing' as many activities as possible, receive a copy of the draft, and discuss with your colleagues how to weave this topic into your classroom practice.	Lecture & Interactive
A4 COUGAR	Shirley Borrelli	HRH-COS; EST MDC-FAS	Personal Colour Analysis: The 4 Basic Seasons	Shirley Borrelli is a certified colour analyst and CTS teacher with over 20 years' experience of analyzing people's colour for how it relates to their clothing, cosmetics and hair colour choices regardless of their age or skin colour. She had taught many classes and courses on colour analysis to adults. Shirley continues to use the science of understanding colour	Personal Colour Analysis is the scientific analysis of an individual's natural coloring in order to discover their personal color tone. While colour is an art, its accuracy is a science. Based on the science of colour and the Munsell Colour System, learn the 4 basic colour tone seasons that will impact your clothing, cosmetic and hair colour choices. Your hair	Lecture & Interactive

				in the classroom to help her students create the look they desire.	colour, skin tone and eye color determine which of the 4 season's colour palettes would look best on you. The 3 characteristics of color will be referenced: undertone, value, and chroma.	
A5 GRIZZLY	George Taven ADLC	HRH-HSS NAT-ENS	CONNECTIONS – A High School Diversity and Leadership Education Program	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.	CONNECTIONS is a province wide 5 credit CTS High School Diversity and Leadership Education Program The goal of the CONNECTIONS program is to provide high school students with an immersion opportunity that helps create a stronger understanding of the multicultural and diverse nature of our schools and society, as well as understanding the mutual impact of the environment on cultures and the diverse and critical role of the environment locally and globally. During this process, leadership skills are developed in environmental stewardship, cross-cultural understanding, race relations, and how to effectively deal with racism, discrimination, stereotyping, prejudice and environmental issues. Students develop a stronger sense of how they can use their own leadership styles to make positive differences within their own schools and communities.	Lecture & Interactive
A6 WAPITI	Jennifer Janzen Alberta Tomorrow Foundation	NAT CTF	Free Technology for your CTS Natural Resources Cluster - The all NEW and FREE Alberta Tomorrow Citizen Science and Simulation App	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.	Whether you teach Forestry, Agriculture, Environmental Stewardship, Primary Resources or Wildlife, the issues facing these sectors must be looked at as a part of a much bigger picture. Make your class more meaningful, relevant and interactive by examining a real problem in Alberta: Managing Environmental Protection and Natural Resources Production in Alberta. The all New GIS Alberta Tomorrow App allows your students to see the big picture and all the complex connections, making systems thinking easier when looking at land-uses in Alberta. Use the citizen science component of the App to connect your students to their local landscape, and the visual simulation App to help them plan and see what changes a sustainable future will require. Free and on-line, find out how the software and App have been used in other classes and can be used in your classroom! Free lesson plans, teacher training, and classroom visits available.	Lecture & Interactive
A BALLROOM	Dennis Kambeit Vendor - EZ ROBOTS	CTF	Teaching Robotics for Grades 5 - 9 (Hands-On Session)	Dennis is recognized as a leader in the field of robotics - how it will impact our workforce and what we need to do is prepare our students. He's demonstrated robotics to more than 8,000 students (grades 4-12) and following his presentations, 90% of all students indicate that they would like to learn robotics (which includes traditional style programming).	In this fun and hands-on session, you'll learn how to implement a robotics program for grades 5-9, and have 90% of your students wanting to participate. Learn how you can use robotics to engage boys, girls, top achievers, and even those who are less scholastically inclined. You'll program a humanoid robot to wave, respond to your voice, recognize you and greet you by name! No experience necessary. ANYONE CAN DO THIS!	Hands-On / Programming Robots

A BALLROOM	Gina Troskot	MDC - FAS CTF	Crochet Away NOTE: Supplies: crochet hook, size 6mm or larger and a skein of "Chunky" yarn. Some supplies will be available to purchase at cost or 'borrow' for the session.	CTS and CTF Teacher from Beaverlodge,	Introductory crocheting, Project Based Learning Model. Participants will learn to make a slip knot, chain crochet, single, half double and double crochet. Start on a simple lap blanket, scarf or toque.	Hands-On - Learn by Doing
A BALLROOM	Heather McCaig ATA	HRH-HSS	Communication Skills are for Everyone - HSS1030	Heather McCaig has taught leadership for the last 10 years. She has developed a grade 9-12 curriculum and has presented at a local, provincial and National Level. She has her level 2 Certification with the Canadian Student Leadership Association. Heather currently teaches Leadership (CTS) and Social Studies at Crescent Heights High School in Medicine HAT.	COURSE HSS1030: Communication skills are for everyone. Learn games and activities you can do to teach this to your kid's different facets of communication. You will walk away with things you can implement in your class the next day. This will help Students develop the attitude, skills and knowledge to improve the effectiveness of their personal communication while providing health, recreation, volunteer and/or support services in the community.	Lecture & Interactive
FRIDAY: B - 10:30 - 11:20						
VENDOR - NETWORKING OPPORTUNITY						
B4 COUGAR	Paula Hatton	MDC-FAS CTF	How Green Are Your Jeans?	Paula Hatton has been teaching with Calgary Catholic for the past 20 years. Paula recently took a sabbatical and completed a diploma in Home Economics through UBC. Paula is currently teaching CTF, Foods and Fashion, to Junior High students at Monsignor J. J. O'Brien School in Calgary.	How Green Are Your Jeans? In this session you will be introduced to a CTF Fashion Studies Challenge for Grade 8 or 9 students. In this challenge students learn about the social, environmental, and economic issues related to the production of blue jeans. Students are then challenged to create something new from an old pair of blue jeans. Participants in this session will leave with plans and resources to use in their own classroom.	Lecture
B5 GRIZZLY	Debra McLennan Alberta Pulse	HRH-FOD CTF	Let's talk PULSES! Everything you wanted to know about peas, beans, lentils and chickpeas!	Debra McLennan is a Registered Dietitian with over two decades of experience in health care, education and industry. Debra now brings her passion for food and nutrition to her role as Food & Nutrition Coordinator with Alberta Pulse where she enthusiastically encourages everyone to add tasty Alberta pulses to their meals every day!	The United Nations declared 2016 International Year of Pulses (IYP)! In this interactive session, learn how the world came together to celebrate and discover more about pulses 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.	Lecture & Interactive
B6 WAPITI	Jamie Imeson	HRH-COS; EST	Wigs, Wigs, Wigs and so much More!	Jamie Imeson teaches cosmetology 10, 20 and 30 courses with Edmonton Public schools.	How to teach <i>wigs and hair extensions</i> on a budget. From Bohemian hair wraps to learning how to make a wig. I will also share some project ideas that I have implemented in my cosmetology classes that have been fun and successful for students. NOTE: Bring a notepad and a flash drive and hopefully we can hear some other fantastic ideas form the session.	Lecture & Interactive
B BALLROOM	Becky Peterson Skills Canada Alberta	CTF	Skills Exploration Days – CTF Exploration Experience	My name is Becky Peterson and I am the Education Coordinator who is thrilled to bring Skills Canada Alberta to you! In 2010, I received my Education Degree from the University of Alberta and I have three years of classroom teaching experience. By touring Alberta, I deliver an informative and engaging presentation to junior and senior high school students and teachers.	Skills Canada Alberta believes that connecting with youth in junior high serves to support at a pivotal point in their education journey. To meet this opportunity, SCA is launching a junior high program (designed for grades 7-9) that brings the unique and energetic spirit SCA is known for to students across Alberta through skills Exploration Days. Building on the Maker Day model and Alberta Education's Career and Technology Foundations (CTF) Program	Lecture

					of Studies, teachers will get an insight into this exciting new program and the amazing resources available by attending this information session.	
B BALLROOM	Heather McCaig ATA	HRH- HCS	The Apprentice Mad Hatter Style	Heather McCaig has taught leadership for the last 10 years. She has developed a grade 9-12 curriculum and has presented at a local, provincial and National Level. She has her level 2 Certification with the Canadian Student Leadership Association. Heather currently teaches Leadership (CTS) and Social Studies at Crescent Heights High School in Medicine HAT.	The Apprentice Learning Roberts Rules of Order can be really dry. This is a way to teach it that is painless and allows for community involvement. Students run meetings in order to accomplish the greater goal of raising money and awareness for their charity of choice. This module has been developed for HSS 3090 but can easily be adapted to a CTS project for kids. Each task will end in the Board Room, where contestants must account for their actions and be judged by Caiger and her advisors. Also learn to work with community agencies to gain money for this project in your class.	Lecture & Interactive
B BALLROOM	Dennis Kambeit EZ ROBOTS	BIT – CSE; ENT TMT – CON; FAB; PEN	Teaching Robotics for Grades 10 - 12 (Hands-On Session)	Dennis is recognized as a leader in the field of robotics - how it will impact our workforce and what we need to do is prepare our students. He's demonstrated robotics to more than 8,000 students (grades 4-12) and following his presentations, 90% of all students indicate that they would like to learn robotics (which includes traditional style programming).	In this fun and hands-on session, you'll learn how to super- engage all of your students in Robotics - either as a stand-alone course or as part of Programming, Construction or Pre-Engineering courses. You'll program a humanoid and hexapod robot to wave, respond to your voice, recognize you and greet you by name! No experience necessary. ANYONE CAN DO THIS!	Hands-On / Programming Robots
FRIDAY LUNCH KEYNOTE 12:00-1:00	SCREAMIN' BROTHERS – I Scream, You Scream, We All Scream for...Dragons' Den; Alberta Business Awards of Distinction 2016 – Winner - Dragons' Den; Nominated for Lethbridge's Top 40 under 40; ABAD Young Entrepreneur Award; Alberta Business Awards of Distinction 2016 - Winner					
FRIDAY: C - 1:15 - 2:05						
VENDOR - NETWORKING OPPORTUNITY						
SCHOOL C & D 1:15 – 3:20 Fashion Lab	Susannah Killey	MDC - FAS	PRE-REGISTER The Basics of Corsetry NOTE: please contact the Conference Director (conferencedirector@ctscouncil.com) to pre-register to ensure a \$15 supply kit is available for purchase. NOTE: As sewing machines are limited, participants may want to bring their own.	Susannah Killey is a high school fashion studies teacher in Edmonton at Blessed Oscar Romero Catholic High School. She is a major advocate for skills based education in her school, including training students in both fashion design and baking for Skills Alberta. Her passions lie in historical reproduction for theatre and quilting.	Are corsets too taboo for your classroom? Corsetry is one of the most popular projects in my classroom and the results are always successful! In this hands-on class, I'll help you with some of the basic skills in corsetry. You'll be able to bring these skills back to your classroom and incorporate them into multiple projects like grad dresses, costuming and cosplay.	Hands-On
SCHOOL C & D 1:15 – 3:20 Foods Lab	Jaclyn Chute Jodie Kachkar Alberta Milk	HRH-FOD CTF	Power Up! Cooking with Milk Products and Eggs	Jaclyn Chute - Jaclyn is a registered dietitian and nutrition educator with Alberta Milk. She discovered her love for food as a little girl in her mom's and grandmas' kitchens. Now she enjoys having a career where her interests around food and nutrition coincide. When she is not working, Jaclyn likes to walk or bike in the river valley, try new recipes and bake up a storm in her kitchen.	Based on CTS FOD2060, this free program provides practical learning tasks that start with what students are familiar with - milk products and eggs in their daily diets - and extends their knowledge and skills to cooking science and applications. The session will include cooking, taste-testing, networking and reviewing all program components. You will leave with lesson plans to start teaching the	Interactive; Hands-On

				Jodie Kachkar - Jodie is the Foods teacher at McNally High School in Edmonton. She has taught Home Economics, Foods and/or Fashion Studies at the junior high and high school level with the Edmonton Public School District for 15 years. She has university degrees in Biochemistry and Chemistry, Human Ecology: Fashion Design and Education. She is also a professional Home Economist, achieving her status in 2009.	program next week! Space is limited to 25. Foods teachers only. Visit powerup.moreaboutmilk.com for details.	
C1 COUGAR	Becky Peterson Skills Canada Alberta	BIT HRH MDC TMT CTF	Skills Canada Alberta – Skills in the Classroom	My name is Becky Peterson and I am the Education Coordinator who is thrilled to bring Skills Canada Alberta to you! In 2010, I received my Education Degree from the University of Alberta and I have three years of classroom teaching experience. By touring Alberta, I deliver an informative and engaging presentation to junior and senior high school students and teachers.	Skills Canada Alberta serves to reposition trade and technical careers as a first choice career option for youth in Alberta. Find out how educators and students (grade 7-12) can benefit from the junior high Skills Exploration Days, Provincial and National competitions, field trips and Try-A-Trade opportunities and Skills in the Classroom presentations.	Lecture
C2 WOLVERINE	Ryan Emond Don Middleton	ALL-CTS	Unique Pathways Opportunities - Part I	Ryan Emond has been a teacher for 19 years. His career began in New Zealand where he was a Form One teacher for two years. Ryan then returned to Calgary and taught for 12 years in the CBE in junior and senior high school as a construction teacher. He has spent the last five years working at the System level in Off-campus Education, CTS and Dual Credit. Ryan's System level work has him working a great deal with business, industry and post-secondary.	Expanded notions of student success have influenced high school programming in profound ways. While academic success continues to be a focus for schools, the inclusion of student voice As well as discussions about engagement in learning have led to the establishment of a variety of unique pathway opportunities for high school students that provide meaningful and relevant learning experiences. These learning opportunities fall into a number of different categories but virtually all of them include off-campus learning and working with business, industry and post-secondary partners. The purpose of these unique opportunities is to provide high school students with learning experiences that build on personal interest or future aspirations. Included in this session will be discussion about Exploratory Programs, Internships and Dual Credit	Lecture & Interactive
C3 GRIZZLY	Matthew Crawley	MDC-COM; DES TMT-CON CTF	Building Boards: Skateboards, Longboards, Snowboards and Skis NOTE: This is not a hands-on workshop, but time will be provided for questions and discussion.	Matthew Crawley has been teaching Construction at William Aberhart High School in Calgary for the past 8 years. He trained as a guitar maker before deciding to become a teacher. The students in his shop have built many interesting projects, including skateboards, longboards, snowboards, skis, and guitars as well as some firewood along the way. He uses "Sloyd" as his underlying educational philosophy when designing the learning environment in the wood-shop. He has also taught Social Studies and Mechanics.	This session will discuss the process of using skateboards, longboards, snowboards and skis as projects in a Construction program. Skateboards and Longboards are an easy starting point for introducing your students to board building and provide enormous potential learning opportunities related to many areas of the Program of Studies. We will also look at what is needed to introduce snowboards and skis as possible projects (spoiler: lots of \$ and time!).	Lecture & Interactive
C4 CARIBOU	Neil Lindstrom	BIT-CSE	Making Apps with App Inventor NOTE: App inventor is designed to make Android Apps only.	All 13 years of Neil Lindstrom's teaching career have been spent at Memorial Composite High School in Stony Plain. Starting off teaching Math and Info Pro, I saw the desire of students to learn to Computer Science. I was excited when I was given the green light to create a Computer Science program at MCHS that has grown to take over the majority of my teaching assignment. Prior to joining the teacher	Come learn how to teach your students to make Apps using App Inventor. Originally created by Google and currently run by MIT, App Inventor is a powerful platform that allows your students to make apps using drag and drop programming. Great for all levels of students. Even better is all the resources that are available for teachers and students. See how I use App Inventor in the	Lecture

				profession, I leveraged my high school computer science training to join a development team with Bell Canada creating many workplace automation applications that led to helping roll out a new workforce management program at Bell.	classroom, learn about requirements and setup, and explore what is possible.	
C5 & D5 1:15 – 3:20 SQUIRREL	Purnima Lindsay Pat Bohnet CENTRAL ALBERTA REGIONAL CONSORTIA (CARC)	CTF	How Can Project Based Learning Support My CTF Challenge?		Come and find out how the nine "Nuts and Bolts" of Project Based Learning can help you create a challenge that is authentic and engaging for your students. We will briefly examine the CTF Program of Study in order to ensure that your challenge aligns with the outcomes.	Lecture
C6 WAPITI	Beth Castle Chelsea Philip Alberta Beef, Eggs and Pork	HRH-COS; EST	Gel Nail Polish – Safer, Faster, Durable NOTE: Some class supplies will be available to purchase at wholesale prices at this session.	Beth Castle is a Dietary Technician with 32-year experience in the Nutrition industry. With washing her hands 20+ times a day for Alberta Beef, Eggs and Pork. Beth was introduced to this amazing, safe, salon quality gel nail polish by her esthetician. This has helped the durability of her nails.	Gel Nail Polish – do you have limited class time for Cosmetology? This salon quality, five free, durable easy to use Gel Nail polish could assist you! Wanting to introduce Gel Polish but don't have the time or resources? This could be a perfect fit. Learn about this world class product with no base coat, no top coat & it's environmentally friendly. Test out the product in this presentation.	Lecture & Interactive & Hands-On (specify) - Applying gel polish
C & D BALLROOM 1:15 - 3:20	Philip Scott Seaghda McInnes	BIT MDC CTF	Cross Curricular Projects: How to get more out of your students. Note: Bring a laptop if possible.	Seaghda and Philip teach at St. Francis Xavier High School in Edmonton. Both dabble in Business, Photography and computer areas of CTS. In addition, Seaghda currently teaches Math while Philip has a background in Math and Science. Both spend too much time looking at Photography and Tech catalogues.	Looking to do cross curricular in a meaningful way? Want to incorporate hands on learning into your classroom? Seaghda and Philip will talk about their experiences integrating Business, Design Studies, and Math in various projects. Learn from their mistakes and get some hands-on experience with the technology they use with their students.	Lecture & Interactive; Heavy Power Usage for Heat Press
C BALLROOM	Sara Rooseboom Safety in Schools	HRH - COS, FOD, HCA; HCS NAT - AGR, FOR, PRS, WLD; TMT	Making Safety a Lifelong Habit	Sara Rooseboom is the Program Coordinator at the Safety in Schools Foundation of Canada. Sara has been with the organization since 2014 and has been instrumental in expanding access to the program throughout Alberta and in the development of several custom, personal experience focused courses that teach Alberta Students about the importance In this session, you will learn about some of the best workplace safety training resources available for free to high school and youth training centres in Alberta. Learn how the Safety in Schools Foundation of Canada can help your students earn valid, industry-recognized safety training <i>and</i> Alberta high school credits through an easy-to-use, online course library that is provided at zero cost to high schools and youth training centres.	In this session, you will learn about some of the best workplace safety training resources available for free to high school and youth training centres in Alberta. Learn how the Safety in Schools Foundation of Canada can help your students earn valid, industry-recognized safety training <i>and</i> Alberta high school credits through an easy-to-use, online course library that is provided at zero cost to high schools and youth training centres. Participating in the Safety in Schools program will save educators time and money, while ensuring that your students are getting the right information that they need to work safely before they step foot on their first job site. Learn how our course library aligns to the Alberta high school curriculum for HCS3000, HCS3010, AGR3000 and other CTS alignments, and all about the excellent face-to-face speaking sessions that we coordinate between schools and injured workers. Your students deserve the best chance at a successful and safe career. Safety in Schools is here to help you achieve that!	Lecture & Interactive

<p style="text-align: center;">C BOOTH BALLROOM</p>	<p>Gary Frederickson Colleen Sereda adlc</p>	<p>TMT</p>	<p>Welding Service Rig Simulators</p>	<p>Colleen Sereda and Gary Frederickson, two of the Learning Network Liaisons for the Alberta Distance Learning Centre have many years' experience in delivering CTS programs both bricks and mortar schools and in an online environment. They are also experienced with the simulators on display and will be present to answer your questions.</p>	<p>Simulations are an excellent teaching tool. Students are engaged and learning is fun. Come and experience our Welding Simulators and our Service Rig Simulators in a relaxed, hands-on environment.</p>	<p>Hands-On</p>
<p style="text-align: center;">C BALLROOM (MEETING AREA) NOTE: Outside Activity - Bring your Coat!</p>	<p>Garth Thompson Alberta Council for Environmental Education</p>	<p>NAT CTF-Resources; Technology</p>	<p>5 Minute Field Trip NOTE: Outside Activity - Bring your Coat!</p>	<p>Gareth Thomson is an accredited teacher and the executive director of the Alberta Council for Environmental Education. He has worked as an environmental educator for twenty-six years, and lives in Canmore with his partner Kelly, three focused children, and a carefree dog.</p>	<p>This OUTDOOR session profiles "Five Minute Field Trips", a 'greatest hits' compendium of an experienced environmental educators' favorite activities, designed for teachers wishing to do simple and enjoyable outdoor environmental activities in their schoolyard. In this session you'll "learn by doing" as many of these activities as possible, and receive a free copy of the activity guide. Please come prepared to be outdoors!</p>	
FRIDAY: D - 2:30 - 3:20						
VENDOR - NETWORKING OPPORTUNITY						
<p style="text-align: center;">D1 COUGAR</p>	<p>Andrew Johnson</p>	<p>BIT-ENT; MAM MDC-DES; COM FAS; TMT; CTF GEN</p>	<p>Life, Liberty and the Pursuit of Making!</p>	<p>Andy Johnson is a Learning Leader who teaches Design Studies at Ernest Manning High School. He has also extensively taught and coached Robotics, Engineering and Construction programs. He sees Design and Making as integral for inspiration of teachers and student engagement.</p>	<p>The School of the Future In this session, we will share a High School maker project from the 2016 PBS Nova 'School of the Future' and invite teachers to share descriptions of their favourite Maker Projects. Through the session, we seek to uncover what it is that makes us want to design, create and make. Teachers will be asked to explore what maker means to them – from making businesses, photos and film to making more complex projects in engineering. What makes us human is the need and passion to make and leave indelible marks on the world and others around us. Finally, how can we as teachers 'make' learning 'spaces' that inspire students to want to express themselves and demonstrate the deeper more lasting and indelible learning we see from the makers and shakers of our world.</p>	<p>Lecture & Interactive</p>
<p style="text-align: center;">D2 WOLVERINE</p>	<p>Don Middleton Ryan Emond</p>	<p>ALL-CTS</p>	<p>Unique Pathway Opportunities - Part II</p>	<p>Don Middleton began his teaching career in Manyberries, Alberta in 1992 and joined the Calgary Board of Education (CBE) in 1993. Don has extensive experience at the secondary level, where he spent 12 years as a Learning Leader in Athletics and Physical Education. In 2010, Don took on a role as an Off-campus Coordinator, which led to his passion in this area. In 2014, he transitioned to a Learning Specialist position in Off Campus and Dual Credit opportunities.</p>	<p>...continued conversations regarding these opportunities and further discussion around duty of care and other legal documentation.</p>	<p>Lecture & Interactive</p>
<p style="text-align: center;">D3-4:00 CARIBOU</p>	<p>Mark Murray Dirk Meyer CDX Learning Canada</p>	<p>BIT HRH MDC NAT TMT</p>	<p>Moodle LMS: Quickstart</p>	<p>Mark 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 Learning Canada and is currently involved in developing online courses using Moodle for all Provinces. Dirk Meyer - Since 1998, Dirk has enjoyed a</p>	<p>Are you and your students using computers to do school work? We'll show you how you could create a digital extension to your classroom using a popular Learning Management System called Moodle. We'll show you how to get started quickly so you could ask your students on Monday to start using it.</p>	<p>Lecture & Interactive</p>

		CTF		rewarding career in Education. 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 MD modules and continues to offer online Computer Science to Rockyview students.	Some things 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 more. You will leave with the tools to start using Moodle!	
D4 SQUIRREL	Dennis Kambeit Vendor - EZ ROBOTS	BIT – CSE; ENT HRH – FOD MDC – DES;FAS NAT – AGR TMT - LOG CTF - Bus & Tech	Preparing our Students for a Changing Workforce	Dennis is recognized as a leader in the field of robotics - how it will impact our workforce and what we need to do is prepare our students. He's demonstrated robotics to more than 8,000 students (grades 4-12) and following his presentations, 90% of all students indicate that they would like to learn robotics (which includes traditional style programming).	The coming decade will be defined by the largest workforce transformation in the history of mankind. Millions of jobs will disappear, millions of new jobs will emerge, and virtually all jobs will be changed. This session will cover: new technologies and the impact / opportunities; why ALL graduates need strong tech and problem solving skills; tips for engaging ALL of your students in technology and robotics.	Hands-On / Programming Robots
D6 WAPITI	Warren Ferguson	ALL CTS CTF	Odyssey into CTF: Building Supportive Relationships Through Professional Learning	Warren Ferguson and Tom Wong are Specialist with the CBE with a combined 29 years of teaching experience. Warren focuses on innovative strategies to infuse safety strategies in all areas of Alberta curriculum. Tom has over 7 years' experience working with the CTF program of studies and has seen the curriculum grow from its initial stages to present practices. Both Warren and Tom have seen both CTF and CTS evolve into a process that includes Design Thinking and Make-Space philosophy.	Come join us for an interactive discussion about the CBE's journey into CTF. We will relive our CTF adventure from past and present, and the future beyond. Our story started over 7 years ago with 7 pilot schools and has evolved to an optional implementation of curriculum for grades 5 to 9. To support our teachers and student learning the CBE has created a 'Teacher Training Commons', a place for promoting a sustainable <i>culture of safety</i> in the presence of excellent collaborative teaching. This venue for professional learning, a first of its kind anywhere in Canada, brings together supportive cohorts of like minded teachers seeking knowledge and expertise to move their students forward in the world of CTF and CTS.	Lecture & Interactive
D BALLROOM	Bill Lomax Alberta Education Lana Rissling Advanced Education	ALL CTS CTF	Alberta Education Updates - CTF, CTS, Dual Credit and Off-Campus	Lana Rissling is a Senior Manager with Alberta Education, responsible for Careers, Dual Credit and Off-campus Education. Bill Lomax is a Senior Manager with Alberta Education, responsible for Career and Technology Studies.	Alberta Education Updates - CTF, CTS, Dual Credit and Off-Campus	Lecture
D BALLROOM	Pat Bohnet CENTRAL ALBERTA REGIONAL CONSORTIA (CARC)	ALL CTS				Lecture
FRIDAY NIGHT - DINNER 5:30-6:30						
FRIDAY NIGHT KEYNOTE 6:00-7:00	JASON HAGEN - FITMetabolism Inc. - How to Go from Doing Right Things to Doing Things Right! There are numerous instructions about what to do to gain better health, but very few are given appropriate long term guidance with which to carry out those instructions. In this presentation Jason will teach you how to go from doing right things to doing things right. In turn, these strategies you learn in this presentation will also give you the skills to teach your students how to change their own health behavior. A dead battery can't charge a dead battery. Learn how to charge your battery to better charge					

the people that you influence.

PLEASE NOTE: THE BALLROOM WILL BE CLOSED FOR AN HOUR TO ALLOW FOR SET UP OF THE FUN CASINO TABLES AND THE BAND.

**FRIDAY NIGHT
CELEBRATION
8:00-1:00AM**



CASINO ROYAL - Get your James Bond '007' Fix at this fun party casino and dance!!
- costumes optional (\$25 - Register online or through the registration desk.)

Come and join colleagues to network and share in the "Party Casino" games (using Funny Money) and your favorite 'James Bond' themed evening with great music provided by The Brad Abel Duo; mid-evening Poutine Bar reception included.

(Optional: wear black tie, wear your favorite 'Bond' type apparel or come as your favorite 'James Bond' character)

Prizes will be awarded throughout the evening for costumes, named prize draws, and *Funny Money* exchange (at the end of casino play) with a dance to follow.

➤ Grand Prize – a beautiful diamond provided by Kavia Fine Jewellers, Canmore, AB.

SATURDAY SESSIONS

**SATURDAY
BREAKFAST
8:00-9:00**



Mike Shaw - Director of SafeStart Education & Athletics
- "Walking the Thin Line between Risk and Reward"

His one-of-a-kind recovery story and a gracious perspective on life allow Mike to connect with audiences and provide them with an unforgettable learning experience.

SATURDAY: E - 9:00 - 9:50

VENDOR - NETWORKING OPPORTUNITY

SESSION SECTION	SPEAKER	CTS/CTF AREA	SESSION TITLE	SPEAKER BIO	SESSION DESCRIPTION	TYPE OF SESSION
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SATURDAY: E - 9:00 - 9:50

VENDOR - NETWORKING OPPORTUNITY

SCHOOL E & F 9:00 – 11:30 Fashion Lab	Beth Ann Caufield, Gina Troskot	MDC-FAS CTF	String Quilting NOTE: Participants, please bring rotary cutter, cutting mat and a good supply of scrap fabric, 10-inch length or larger and white thread spool.	Beth Ann Caufield and Gina Troskot teach CTF and CTS at Beaverlodge Regional High School. We both have a passion for project based learning, sewing, cooking, crafting and media design and a team teaching approach.	Participants will create a fun and stylish quilt top using up fabric scraps which utilizes the string quilt method. Specific instruction will be provided. Ideal for CTF project based learning.	Hands-On
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<p>SCHOOL E 9:00 9:50 Construction Lab</p>	<p>Mark Selebay</p>	<p>MDC-Des; COM; FAS TMT- CON; FAB; MEC CTF- Technology</p>	<p>Incorporating 3D Printing into a CTF or CTS program</p>	<p>Mark Selebay, Full Time CTF teacher, 17 years Calgary Catholic School Division. Trained in Industrial Education/CTS at the University of Alberta/NAIT. I have taught various levels of CTF/CTS from Jr high to High School. I have taught traditional woodshop over the years as well as transitioned to bringing in the newer technologies like sublimation, CNC machines (Vinyl Cutters to CNC wood routers) to 3D printers currently</p>	<p>3D printing is entering almost every aspect of Manufacturing and Design. 3D printing is actually quite easy and fun when a person learns the basic do's and don't of the process. This session will go over the setup of a 3D printer (MAKERBOT), Part recognition, loading filament, changing color, plate leveling, use of rafts and supports, maker ware software, navigating the thingaverse, and various examples of finished 3D products that relate to CTF and CTS.</p>	<p>Lecture & Interactive; Hands On Set up and Maintenance of a 3D Printing Machine</p>
<p>SCHOOL E 9:00 – 9:50 Foods Lab</p>	<p>Mary Claire Miller</p>	<p>HRH CTF - Human Services</p>	<p>Salsa, Guacamole and Quesadillas!</p>	<p>A twenty year teaching veteran Mary Claire Miller currently teaches the CTS-Foods program at Wainwright High School. Mary Claire has been practicing the art of cooking and baking since her mother taught her so she could cook for harvest time. Cooking her way through university is where she gained her practical experience, including the local coffee shop to the Wainwright Hotel at Heritage Park in Calgary! It was due to these jobs that this elementary teacher end-up at the local high school teaching foods. Before settling down at her current job, Mary Claire taught abroad in both England and South Korea, which allowed her to indulge in her passion for travel.</p>	<p>Foods and CTF teachers come and see a quick hands-on lesson that allows you to demonstrate knife skills within an Mexican based lesson. Fresh salsa, jicama relish, guacamole and quesadillas, yummy! Yes, you get to taste our food.</p>	<p>Lecture & Interactive; Making Food</p>
<p>E1 WOLVERINE</p>	<p>Damian Matheson myBlueprint</p>	<p>ALL CTS CTF</p>	<p>Using Digital Portfolios to Engage Your Students within CTF/CTS</p>	<p>Damian Matheson and his colleagues at myBlueprint work with CTF/CTS teachers, as well as Counsellors, Off-Campus/Work Experience and CALM teachers, in 40+ School Districts across Alberta. The Alberta Edition of myBlueprint Education Planner is the culmination of 5+ years of research and development into local curriculum and CTF/CTS needs.</p>	<p>This session will explore how students can build a personalized digital portfolio directly related to CTF/CTS learning outcomes. Beginning with All About Me for CTF, and myBlueprint Education Planner for CTS, students can explore careers and technology, build and reflect on career-planning skills, enhance employability and technology-related skills, and prepare for transition into adult roles.</p>	<p>Lecture - session room</p>
<p>E2 GRIZZLY</p>	<p>David Marcone, CPA Alberta</p>	<p>BIT-ENT; FIN; MAM</p>	<p>Diverse Career Pathways within Business & Accounting for High School Students</p>	<p>Since 2014, CPA Alberta has presented to over 150 classrooms, reaching over 3500 high school Students in Alberta.</p>	<p>Are you interested in exposing your high school students to the diverse careers within business and accounting? If so, CPA Alberta has a fun, interactive presentation and we would love the opportunity to speak in your classroom.</p> <p>This interactive presentation is designed to broaden high school student's perspectives on the diverse career opportunities in business and accounting, and provide general information and resources for researching career opportunities. It encourages students to pursue post-secondary education and outlines a variety of options to help them choose a career path that best suits their goals.</p> <p>The presenter highlights the fact that designated accountants are well-rounded professionals trained to work in any sector, any organization, or anywhere in the world. It illustrates the path to becoming a Chartered Professional Accountant and outlines what they can do now to pursue that path.</p>	<p>Lecture & Interactive</p>

<p align="center">E3 CARIBOU</p>	<p>David Teasdale</p>	<p>ALL CTS CTF</p>	<p>Using Google Apps for Education in Your Classroom</p> <p>NOTE: BYO Device, Laptop, ChromeBook, Tablet or SmartPhone</p>	<p>David has more than 20 years teaching experience in BIT, HRH, MDC, and TMT in grades 7 to 12 and outreach settings. He has presented at CTEC, ETCATA, ISTE and teachers' conventions on many technology in teaching sessions. He holds Google Certified Educator Level 2 credentials.</p>	<p>Learn how to use the power of Google Apps for Education and other technologies to ease your workload in sharing resources and connecting with your students and other teachers, as well as assessing student learning. Bring your own device (and your GAFE account) to put the learning into action today. Learn how to use the power of Google Apps for Education and other technologies to ease your workload in sharing resources and connecting with your students and other teachers, as well as assessing student learning. Bring your own device (and your GAFE account) to put the learning into action today.</p>	<p>Lecture & Interactive</p>
<p align="center">E4 COUGAR</p>	<p>Gustaaf Wehnes</p>	<p>BIT- CSE</p>	<p>Implementing a Computer Science Curriculum in CTF or CTS</p>	<p>Gustaaf Wehnes currently works in Calgary at William Aberhart HS as the CTS Learning Leader and the Computer Science teacher. In a previous life, he worked as a software developer writing enterprise-level software for O&G producers. He is the current president of the Computer Science Teachers Association of Alberta (CSTAAB). In another life (still ongoing), he has worked with the Royal Canadian Navy for 25+ years, primarily as a trainer of young adults. His passion is in furthering Computer Science education in his school board and beyond. He believes that self-directed mastery learning and a good dose of common sense is the key to developing agile and adaptable students.</p>	<p>The recently announced Alberta Education curriculum overhaul is to include a new emphasis on "computer coding". Yet, we have had an official "Computing Science" curriculum in place for high schools for almost a decade now, and many schools still do not offer it as an option for students.</p> <p>There have never been more resources for schools to implement a Computing Science program. A wide variety of MOOCs (Mass Online Open Courses) are available for all popular programming language and for a wide variety of grade levels. Industry-standard software development environments are available as open-source freeware. Professional and mentoring networks have been established amongst Computing Science teachers throughout the province.</p> <p>Are you interested in staying ahead of the curve? Come and join a discussion on how to implement or improve your Computing Science program at your Junior or Senior High School!</p>	<p>Lecture & Interactive</p>
<p align="center">E5 SQUIRREL</p>	<p>Keith Christensen Scott Blenkhorne</p>	<p>ALL CTS</p>	<p>Maker Education – Making A High School Makerspace and Designing Learning Experiences for Makers</p>	<p>I have been a maker all my life but it has only been in the past 6 or 7 years that I heard the term and decided that's what I was. When I was young my interest and passion for flight drove much of my early making attempts. I started jumping off the roof of my house at about the age of 6 with parachutes made of blankets and strings tied to my belt loops and hang gliders made from tarps stapled to wooden frames. My best flying machine of all was an ultralight that I built out of a shopping cart with 1970's wood paneling for wings (shockingly it never flew).</p> <p>I have been teaching in Calgary, Canada for 17 years. I have taught in 5 different schools and had the honor of opening three brand new schools. My most recent move was in 2012 when I opened a new high school as the Career and Technology Studies (CTS) Learning Leader and to develop a new high school Maker Ed class. My newest challenge is to open a "tethered" makerspace in my high school learning commons with another teacher (Scott Blenkhorne) on my staff. Our plan is not only to open a great makerspace that is centralized in the school, to make 'making' visible, accessible to all,</p>	<p>In this session, we will be sharing our journey of building a makerspace in a high school environment. Rather than buying maker furniture, storage, and activities, we decided to make them! How is a makerspace in high school different than in an elementary/middle school? What's the role of a makerspace in a consumption driven, content heavy high school environment? What impact might a makerspace have on CTS courses and registration numbers? We will share the learning experiences that we have designed in order to encourage engagement from our students, from creative novices to mature creative producers; we want to reach them all. Let's discuss some of these ideas together! Learn from our early explorations into making in high school. Challenges, lessons learned, pictures, examples, resources and ideas will be shared.</p>	<p>Lecture & Interactive</p>

				and supports great learning; but also to provide students with tethered connections to some of our specialized shops, class and equipment that we just can't put in the learning commons. Already it has been an adventure.		
E BALLROOM	Cassy Weber Luc Arvisais Mark Zwicker MindFuel	BIT – ENT CTF	Edacity: Can Innovation be taught?	Cassy Weber Brings over twenty years of senior leadership in the science and technology sector in the MindFuel (Science Alberta Foundation) team. At MindFuel, Cassy spearheaded the creation of STEM-based entrepreneurial middle school and high school programming. Luc Arvisais of Our Lady of the Snows Catholic Academy believes that hands-on, experiential learning provides students with the tools they need to succeed. For 21 years, Luc has been applying this philosophy to his high school physics, biology and math courses. Luc advises the OLS geekStarter team, an extracurricular team-based project where students solve real-world problems using synthetic biology.	The skills underlying innovation can be fostered at any age. Risk-taking, collaboration, resilience and embracing failure are all vital skills both in the classroom and beyond. This session will demonstrate how MindFuel's Edacity program is creating immersive, hands-on experiences to bring innovation and entrepreneurship education to CTF and CTS student learning.	Lecture
E BOOTH BALLROOM	Rick Regato Image Creations Inc.	MDC CTF	Sublimation for Fun and Profit	As an avid entrepreneur and commercial photographer, Rick Regato continues to pursue new and exciting technologies relating to image transfer. At the helm of Image Creations Inc., he continues to advance the industry with merging technologies. Celebrating 22 years in the industry, Image Creations leads the Canadian market in sublimation and heat transfer technologies.	Today's youth are graphically motivated and excited to present their art form in unconventional ways. The sublimation process allows students to create customized and personalized full color products on demand. Find out the process, techniques and tips of this popular method of expression.	Lecture
SATURDAY: F – 10:30 – 11:20						
VENDOR - NETWORKING OPPORTUNITY – BOOTHS CLOSE AT 12:00						
SCHOOL F 10:30 – 11:20 Foods Lab	Mary Claire Miller	HRH CTF - Human Services	Bento Boxes in the CTF Foods Room	A twenty year teaching veteran Mary Claire Miller currently teaches the CTS-Foods program at Wainwright High School. Mary Claire has been practicing the art of cooking and baking since her mother taught her so she could cook for harvest time. Cooking her way through university is where she gained her practical experience, including the local coffee shop to the Wainwright Hotel at Heritage Park in Calgary! It was due to these jobs that this elementary teacher end-up at the local high school teaching foods. Before settling down at her current job, Mary Claire taught abroad in both England and South Korea, which allowed her to indulge in her passion for travel. She is a past CTS executive secretary, but is now focusing on her classroom again.	Bento Box? What is a bento box? CTF? Projects? How am I going to put all of this together in a foods classroom? From start to finish walk through allowing students to create a bento box in the foods room. This can also be used in a CTS class as well.	Lecture
SCHOOL F 10:30 - 11:20	Marko Stefaniw,	TMT-CON	Construction teachers: Festool Kapex miter saw, sliding track saw, & domino jointer - The Why & The How	Marko Stefaniw is a Construction/Fabrication teacher at St Francis Xavier high school and has been teaching in Edmonton Catholic school district since 2006.	A look at the benefits of using just some Festool products in the school setting and how they can make your CTS construction shop safer & cleaner. The session will consist of hands on demos of the Kapex miter saw, the domino jointer and TS75 sliding track saw. I will go over what I feel are the positive and negatives of these tools and why I think that all construction teachers should be converting to	Lecture & Hands-on

<p>Construction Lab</p>					<p>some of their systems. Following the demo will be a group discussion and sharing of ideas/projects. (All PPE) will be provided.</p>	
<p>F1 SQUIRREL</p>	<p>Barbara Schmidt Education Centre in Jasper National Park, Parks Canada</p>	<p>NAT-ENS WLD CTF-Human Services; Resources</p>	<p>Engage! Experiential Learning in Jasper National Park.</p>	<p>Barbara Schmidt has a Bachelor of Education from the University of Regina and a Masters in Educational Contexts from the University of Calgary. She has 17 years of teaching experience. As a GYPSD teacher, she is currently working with Parks Canada on an interchange agreement and is the Education Liaison at the Palisades Stewardship Education Centre in Jasper National Park. Barb is a Canadian Wildlife Foundation Wild Education Facilitator and is passionate about experiential education.</p> <p>As the Education Liaison working with Parks Canada, Barb oversees the curricular programs at the centre. The center provides experiential education for youth; blending mountain recreation with environmental stewardship. Nature-immersion programs (day, multi-day or high school credit courses) encourage ecological, geographical and physical literacy and provoke students to become stewards of the environment.</p> <p>www.thepalisadescentre.ca</p>	<p>Would you like to help your CTS and CTF students' experience outdoor learning in Jasper National Park? Would you like your students to participate in curricular linked programs that address physical, ecological and geographical literacy? Would you like your students to earn high school credit as they engage in hands-on recreational and experiential learning activities focused on real park issues? Would you like your middle school students to engage in unique challenges that promote teamwork and problem solving in an outdoor setting? Parks Canada welcomes you to join the Palisades Stewardship Education Centre Family!</p> <p>Join the Education Liaison from Jasper National Park's Palisades Stewardship Education Centre for an informative session about the unique Parks Canada facility, programs, equipment and benefits. High School teachers will learn about the full CTS courses (credit generating) available at the centre. Middle School teachers will be introduced to the new CTF Challenge Trip.</p> <p>The programs at the modern and comfortable full-service centre are supported by a highly qualified education team, rigorous risk management protocols and current research. Programming is available in French as well.</p>	<p>Lecture</p>
<p>F2 CARIBOU</p>	<p>Chloe Thomas</p>	<p>MDC- COM CTF- Communication ; Technology GEN- Gathering Evidence; Assessment</p>	<p>Real Time Learning & Assessment with Microsoft Class Notebook</p>	<p>Chloe Thomas is a CTS Department Head and Lead Technology Coach for the Edmonton Catholic School District. She has experience teaching Communication Technology courses to grades 7 through 12. She has provided professional development sessions for teachers within the district regarding Microsoft OneNote, Google Apps for Education, and Web 2.0 Tools.</p>	<p>Organizing a Communication Technology class can be a challenge! With Microsoft OneNote Class Notebook, you can collect student work, provide timely feedback, and assess students all in one place. The Class Notebook allows you to deliver content to your students and see what they are working on in real time. All of your students' work is conveniently saved in one digital binder. You can attach images, videos, audio files, and documents right into the notebook so no matter what medium the student uses, they can easily share it with you.</p>	<p>Lecture & Interactive</p>
<p>F3 COUGAR</p>	<p>Mitchell Way</p>	<p>BIT MDC TMT CTF</p>	<p>Democratizing and Open Source Learning - The Arduino Movement and Its Role in Open Sourcing CTS</p>	<p>Mitchell Way is the CTS Learning Leader a Nelson Mandela School, Calgary's newest High School. He teaches a very cross curricular class of Robotics and Pre-Engineering that spans topics such as programming, electronics, CAD, engineering design, and environmentally conscious design.</p>	<p>What is an Arduino and why should you care? This session will discuss what an Arduino microcontroller is and why it is important for makers, programmers, and engineers. It will also offer a hands-on component to set up their personal laptops with the free Arduino software and take a swing at writing a basic sketch to make the Arduino say, 'Hello World'!</p>	<p>Lecture & Interactive</p>

<p align="center">F4 WOLVERINE</p>	<p>Cameron Smith SAFESTART</p>	<p>ALL CTS CTF</p>	<p>Feeling Ten Feet Tall & Bullet Proof - A Student's Perspective</p>	<p>As a competitive freestyle skier and former landscape foreman, Cameron knows the injury-reducing and performance-boosting benefits of stronger safety skills and heightened situational awareness. As a SafeStart consultant, Cameron fosters a relaxed and positive classroom atmosphere that helps him establish common ground with his audience, and he is skilled at getting even the most reluctant to participate and enthusiastically adopt SafeStart training. With experience in both industrial and athletic settings, Cameron is ideally suited to understand what the two disciplines can teach each other about safety and performance. As a result, participants leave his sessions safer and stronger in whatever they do.</p>	<p>In this session, Cameron talks about his experience skiing professionally and how an over confident mind can lead to critical errors. He relates this feeling of being "ten feet tall and bullet proof" to students' lives and how it can affect them at school, work, sports, home, and on the road. You will leave Cameron's presentation with knowledge and understanding of the techniques we can use to help students reduce the likelihood of making critical errors. We can help students become more aware, make better decisions, and minimize their exposure to risk.</p>	<p>Lecture</p>
<p align="center">F5 GRIZZLY</p>	<p>Raymond Chien Li</p>	<p>TMT- MEC</p>	<p>Making A Wise Vehicle Purchase: 10 Steps to Buying a Quality Used Car or Truck</p>	<p>Raymond Li is an Auto Body teacher working for the CBE. As a 3rd year beginning teacher from Ontario, he is a Red Seal Auto Service Technician. Developing curriculum and making Auto Body exciting and relevant has been a challenge, with great results. Increasing class sizes, an aging shop and budget limits has birthed many interesting shop projects that continue to motivate the diverse learners at his school. As the school is awaiting a large renovation project, Raymond is excited for the new shop to bring new equipment and safety practices to the current industry standard. As a former Mercedes and BMW technician, Raymond brings his passion for high performance luxury automobiles into the classroom, hoping to inspire a generation of youth to pursue their automotive careers.</p>	<p>Are you in the market for a used vehicle? Presently, the new car sales figures have dropped about 10% due to the falling prices in oil in the last year. This makes a used car or truck an attractive alternative to buying new. Compared to a home, a vehicle will be the second most expensive consumer purchase that we will make. Often we make decisions based on emotions or solely on exterior appearances. Doing your homework, seeking out a reputable seller and ensuring your prospective vehicle is mechanically sound are some of the topics we will discuss as we learn how to make a wise and informed choice. We will cover some of the industry's best vehicles and which models to avoid. Happy shopping!</p>	<p>Lecture & Interactive</p>

SATURDAY LUNCH KEYNOTE
11:30-12:30



Debbie Vance, Director Dual Credit, College of Alberta School Superintendents and Lana Rissling, Team Lead, Dual Credit and Off Campus will facilitate this student led session. Three students will present their personal dual credit experience and the Secondary Lead and Post-Secondary Partner will be at the session to answer any questions about dual credit programming.

SATURDAY: G 12:30 – 1:20

<p align="center">G & H BALLROOM 12:30 – 3:00</p>	<p align="center">Various</p>	<p align="center">CTF</p>	<p align="center">CTF Essentials Workshop – 2.0</p>	<p>The CTF Essentials Workshop – 2.0 will allow individuals to further their understanding of the new CTF curriculum. Participants will be mentored through the personal design process by a panel of successful CTF teachers from across the province. The workshop is designed to create CTF programs that are easily transferrable to create further projects in a school.</p>	<ul style="list-style-type: none"> ✓ Cross Curricular Projects ✓ Grade 5-9 Success Stories ✓ Assessment Exemplars ✓ Planning Strategies ✓ Facilitation Strategies ✓ Wrap-Up <p>Participant Take-Away:</p> <ul style="list-style-type: none"> - Assessment Exemplars - Planning Strategies - Facilitation Strategies 	<p>Lecture & Interactive</p>
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					<ul style="list-style-type: none"> - Cross-curricular projects - Grade 5-9 success stories 	
G1 WOLVERINE	Peggy Townsend	BIT HRH NAT TMT	The Credit Candy Store	<p>Peggy Townsend currently works in Calgary at Crescent Heights High School running the Credit Candy Store. She received her M. Ed, Dip Ed and B. Ed at The University of Calgary with a focus on transitioning students from high school to the next stage in life. Peggy has been actively involved in assisting students at risk for the past thirty-two years that includes being a specialist for the Calgary Board of Education. She currently sits of the LDEC and the Communications committee for ATA Local 38. Peggy's international experience includes visiting schools in South Korea, Vietnam and China. She enjoys building relationships with the "community" in order to put CTS courses together</p>	<p>The Credit Candy Store started when a group of self-identified "at-risk" students came forward asking for personalized support in order to successfully complete their high school program. The initial goal was to offer students an opportunity to complete their learning through a non-traditional model with self-paced CTS courses, flexible schedules, modified timetables and enhanced adult-youth relationships. The end result of this proved to be highly successful in supporting student success and high school completion.</p> <p>As a result of this initial conversation, my teaching practice has shifted to a more flexible and student-centred approach. At the core of this shift is a practice in increased student voice and choice connected to learning tasks, assessment, and educational resources/supports that students indicated would promote high school completion. Come and learn how the credit candy store has taken off into a full time program through the use CTS courses.</p>	Lecture & Story Telling
G2 CARIBOU	David Teasdale	ALL CTS CTF	Using Google Apps for Classroom Evaluation	<p>David has more than 20 years teaching experience in BIT, HRH, MDC, and TMT in grades 7 to 12 and outreach settings. He has presented at CTEC, ETCATA, ISTE and teachers' conventions on many technology in teaching sessions. He holds Google Certified Educator Level 2 credentials.</p>	<p>Assessment can be cumbersome – find the correct rubric and a pen, write out the student name, then fill it in. Learn how to assess student work as you move around the classroom using a smartphone or tablet, then automatically calculate the results to record and share with your students. Bring your own device to put your learning into action today.</p>	Lecture & Interactive (BYO Device) (Laptop, Chrome Book, Tablet or Smart Phone)
G3 SQUIRREL	Ian Stewardson ATA	ALL CTS CTF	E-Liability	<p>Ian Stewardson is a staff officer in Member Services in the Southern Alberta Regional Office (SARO) of the Alberta Teachers' Association. Prior to joining ATA staff, Ian served as a school-based administrator for 18 years and 11 years as a Junior High Social Studies Teacher and Guidance Counsellor. He has worked in schools ranging from Kindergarten to Grade 12. Throughout his career, Stewardson has been actively involved in his profession, serving on the Association Administrator Instructor Corps, as an Admin Rep on Local ATA, and as a member of Southern Alberta Professional Development Consortium Board. Ian holds Bachelor of Education degree from the University of Calgary and a Master of Arts (Education) degree from the San Diego State University. His experience includes involvement with mentoring new administrators, and teachers.</p>	<p>Increasingly teachers are facing employment discipline resulting from their use of school computers, laptops, Internet connections and cellphones. Also, teachers posting on their own computers on such social networking sites as Facebook, Twitter or blogs are increasingly facing employer disciplinary action. Integration and use of electronic media and communication in classrooms can present some unique opportunities together with some employment risks. How do teachers use these technologies without jeopardizing their career? This session will also look at cyber harassment or cyber libel directed at teachers by students or parents and the steps to take in these circumstances.</p>	Lecture & Interactive
SATURDAY: H 1:30-2:20						

H1 CARIBOU	Carmen Wasylynuik	HRH-FOD	Culinary Teachers - Networking & Sharing Session <i>NOTE: Bring any resources you are willing to share, and a laptop or flash drive so you may take some of these with you.</i>	A teacher and Red Seal Chef, Carmen teaches culinary apprenticeship at Chestermere High School after leaving a successful foods program.	Are you your department? Wanting to connect with other teachers running a cafeteria or commercial kitchen, whether it be domestic or commercial? Let's get together and discuss our successes, share our triumphs and support each other in assisting where we struggle.	Lecture & Interactive
H2 WOLVERINE	CTEC COUNCIL	ALL CTS	Project Templates – Designing and Networking Session <i>NOTE: Bring any resources you are willing to share, and a laptop or flash drive so you may take some of these with you.</i>		Participants will have an opportunity to discuss, design and network and share with colleagues across clusters as the group determines.	Lecture & Interactive
BALLROOM	CTEC COUNCIL	BIT	Networking Session	Participants will have an opportunity to network and share with colleagues from across the province. <i>Some ideas to consider:</i> 1. What are some great project ideas that you would like to share? 2. What are some ideas that you have for organization in your lab? 3. How do you ensure health and safety in your lab? 4. What are some of current issues challenging your cluster and occupational area? 5. How can we better promote this cluster within our schools to increase enrollments and course offerings? 6. What types of PD offerings would you like to see within your cluster over the next year? 7. OTHER: burning issue!		Interactive
BALLROOM	CTEC COUNCIL	HRH	Networking Session		Interactive	
BALLROOM	CTEC COUNCIL	MDC	Networking Session		Interactive	
BALLROOM	CTEC COUNCIL	NAT	Networking Session		Interactive	
BALLROOM	CTEC COUNCIL	TMT	Networking Session		Interactive	

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Safe travels home!

