

ID: 8 - MAXIMUM: 30 (PRE-REG) Kettlebell Training - Learn How and Why Speaker: Hansen Timeslot: E 2:45 IMPERIAL 8

DESCRIPTION: The kettlebell is known as the most effective modality for strength and endurance gains and is a dynamic fitness tool that was first recognized in the mid 1700s (thus preceding the dumbbell). Training with kettlebells gained popularity in North America in the 1990s emphasizing the development of skill as well as strength and mobility when used safely and effectively as through Marty Hansen's keen teaching ability to bring focus to the key sensations and attention cues.

Up to 30 participants may work in small groups with the kettlebell equipment that Marty brings to gain understanding and practice of how to safely and effectively work with this ancient tool in introductory kettlebell lifts and movements.

ID: 16 - MAXIMUM: 8 schools so create a school login, not an individual (each of the 8 schools can send up to 3 teachers) (PRE-REG) VEX Robotics - Competitive Engineering for High School Speaker: Arends Timeslot: H 11:30 TELUS 106

DESCRIPTION: This session is ONLY open to 8 schools. Each registered school can bring 3 teachers. The fee, per school, is \$280. By registering, your school will receive a VEX Dual-Control Clawbot kit, valued at \$800. This incredible workshop will allow your school to jumpstart a robotic program, immediately.

Make them fight! Students always want robots to fight. It is competition like this that drives innovation. In this session, build a "claw bot", program it, and learn how to start healthy competition within your school. Whether you want to build a team that travels to tournaments, or connect a robotics club to course curriculum, we will cover it all!

Over the course of this 3 hour session, you will work to assemble and program your robot, and learn how to organize clubs and teams with goals of fulfilling CTS credits and competing in local tournaments. This is not like LEGO, you will be bending metal & programming using "C", and it will be incredible.

ID: 36 - MAXIMUM: 25 (PRE-REG) Phase of Production: Planning, Constructing, Finishing and Evaluation High School Construction Projects Speaker: Krueger Timeslot: A 8:45 OFF-SITE

DESCRIPTION: The session will run over two full days at Holy Trinity Academy in Okotoks. There is a \$20 participant fee. Please bring exact change to the first day.

This session will walk CTS teachers through the different phases of construction: planning, fabricating, finishing and evaluating. Participants will plan, build, finish and evaluate an actual construction project. This hands on session will introduce you to some computer drafting basics. It will walk you through the fabrication and assembly of a woodworking project. Basics of finishing will be explored. Finally, ideas will be shared regarding how projects can be evaluated. Delegates are responsible for their own transportation to and from the venue. At the end, teachers will have activities that they can bring back to their own classrooms on Monday.

Even though this session is geared towards the Construction CTS courses, other teachers will benefit from it as well. The computer drafting programs can be used in other CTS courses as well as Core courses such as Math. Finishing information can be applicable to other Fine Arts courses. The evaluation discussions and handouts can be modified to be used in many different settings - a large focus is on incorporating student self-evaluation. As well, if you simply enjoy wood working and want an opportunity to improve upon your skills - this is the session for you.

Most of what we do will focus on the secondary CTS course offerings, but the information from this session can be easily modified for other high school courses as well as Junior High.

ID: 89 - MAXIMUM: 30 (PRE-REG) Creating colour harmonies using Oil Pastels Speaker: Dixon Timeslot: F 8:30 IMPERIAL 5

DESCRIPTION: Celebrate and predict the beauty of the minds geared for creativity by exploring a simple and versatile medium: the oil pastels. The structure of this workshop is designed to teach the participants how to use layering and blending using oil pastels and how to explore and engage their own creativity involved in the artistic processes. Composition, design and color will be examined as well as a variety of techniques used. The projects will be presented and demonstrated step-by-step to help the participants create their own masterpieces differentiated per grade level and skills/ ability level.

ID: 90 - MAXIMUM: 30 (PRE-REG) Expression and response using Watercolors Speaker: Dixon Timeslot: I 1:00 IMPERIAL 2

DESCRIPTION: During this session, the teachers explore various watercolor techniques (wet-in-wet, wet-in-dry, dry-on-dry, dry-on-wet, flat wash, graded wash, variegated wash) and apply them to create three distinctive art projects. These projects are being demonstrated step-by-step and can be differentiated and adapted for any grade level to address a variety of learning styles. The participants are encouraged to discover their unique inner artistic talents. All the supplies are provided. Registrants, please bring the \$10 fee to the session.

ID: 100 - MAXIMUM: 30 (PRE-REG) Using Smart Notebook to Teach Elementary Music.....Even From a Cart Speaker: Mackenzie Timeslot: C 11:45 GLEN 203

DESCRIPTION: Learn how to use Smart Notebook to teach Elementary music both in the classroom and from a cart. Experience activities using notebook and learn first hand how to create your own. You will return to the classroom with notebook pages made by you.

Please bring your computer with Smart Notebook installed. Be sure it's charged as there won't be power cords available.

ID: 114 - MAXIMUM: 30 (PRE-REG) Utilizing Vernier Probeware and sensors in the High School Science, Chemistry and Physics Classroom Speaker: Stretton Timeslot: D 1:15 TELUS 110

DESCRIPTION: In this session you'll see demonstrations, sample labs and get hands-on experience with the Vernier award-winning line of computer and handheld data-acquisition technology. Mr. Stretton will provide guidance and inspiration as you explore and are exposed to classroom-ready labs and activities.

ID: 145 - MAXIMUM: 25 (PRE-REG) Traditional West African Drumming: An Authentic Musical Experience for All Ages Speaker: Haughey Timeslot: E 2:45 IMPERIAL 7

DESCRIPTION: Are you looking for an authentic musical experience for your students? Are you looking for a culturally accurate way to use the Djembes collecting dust in your classroom? Come and learn traditional West African drumming techniques and rhythms as well as the cultural connections to the songs studied. This style of drumming is suitable for all ages and I will provide a booklet of rhythms that can be modified for any age. My presentation will focus on rhythms with a difficulty level appropriate for Grades 5-10. I am very passionate about teaching traditional rhythms which can be very complex and exciting, this will differ greatly from a Drum Circle approach.

ID: 148 - MAXIMUM: 25 (PRE-REG) Power Up! Cooking with Milk Products and Eggs Speaker: Kachkar Timeslot: F 8:30 OFF-SITE

DESCRIPTION: This is an offsite workshop held at Heritage Christian Academy located at 2003 McKnight Blvd NE, Calgary. Delegates are responsible for their own transportation to this school.

Based on CTS FOD 2060, 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.

This session will include cooking, taste-testing, networking and reviewing all program components. Teachers will leave with lesson plans to start teaching the program next week!

Space is limited to 25. Foods teachers only. Visit www.moreaboutmilk.com for details.

ID: 156 - MAXIMUM: 30 (PRE-REG) Let's Teach Kids to Code Speaker: Belsey Timeslot: I 1:00 GLEN 210

DESCRIPTION: Coding, or computer programming, is not just for geeks anymore. Coding is now mainstream. Many, if not most things in our lives are connected to coding, either directly, or indirectly. Many schools, school jurisdictions and governments around the world are already incorporating coding into students' learning. Soon coding will be part of our new Alberta Curriculum. This session is for "Newbies", people who are new to coding but don't know where to start. This session is also for those who have already have some experience with coding and would like to share some of their own experiences and helpful resources. This session will focus on learning coding with students from elementary to middle school grades.

ID: 157 - MAXIMUM: 25 (PRE-REG) Stoichiometry: Five Hands-On Chem 20/30 Activities to Improve Student Understanding Speaker: Hoffman Timeslot: F 8:30 TELUS 111

DESCRIPTION: Student understanding of stoichiometry correlates with success in university chemistry. This workshop will outline five hands-on activities that have been developed and tested, which leverage student fluency with LEGO bricks to improve student understanding of stoichiometry and mole/mass relationships. Teaching resources will be provided.

ID: 164 - MAXIMUM: 40 (PRE-REG) HIGH FIVE Sport: A National Certification Program & NCCP PD Credit Speaker: Goeres Timeslot: F 8:30 OFF-SITE

DESCRIPTION: This is an offsite workshop held at Heritage Christian Academy located at 2003 McKnight Blvd NE, Calgary. Delegates are responsible for their own transportation to this school.

Aligned with the Fundamentals and Learn to Train stages of Long Term Athlete Development (LTAD), this national certification is designed for anyone working with children 6 - 12 years in a sport club, organization or school team. HIGH FIVE Sport focuses on the social, emotional, and cognitive development and wellbeing of athletes. The training is based on research and has been designed to help coaches with top coaching dilemmas such as dealing with parents, keeping the child's interest, ensuring fair play and an emotionally safe environment.

Participants who are NCCP certified may earn 3 Professional Development (PD) points towards maintenance of the NCCP certification status.

Delegates, please bring the participant fee to the session.

ID: 166 - MAXIMUM: 30 (PRE-REG) Nutrition Boot Camp Speaker: Awde Timeslot: D 1:15 IMPERIAL 3

DESCRIPTION: No guts, no glory in this session! This session incorporates activities designed to enhance nutrition knowledge for youth. You'll move around the room to a number of different stations – each designed for a specific nutrition activity. Get fired up for this session. Nutrition Boot Camp works your head so you'll be ready for anything life brings. Take home includes a facilitator's guide for having your school or class complete a Nutrition Boot Camp.

ID: 167 - MAXIMUM: 30 (PRE-REG) Iron Chef Speaker: Awde Timeslot: E 2:45 IMPERIAL 3

DESCRIPTION: Iron Chef combines the spirit of competition, creativity and the art of healthy cooking. This healthy snack competition pits teachers from near and far at Palliser Teacher's Convention to produce the healthiest, best tasting snack with 10 minutes on the clock.

Not only will the iron chef participants create a fantastic snack by engaging in a live example of how students can have fun learning about healthy eating, the session will provide a facilitator's guide so these tried and true 'Iron Chef' teachers can have their own school Iron Chef competitions. Limited number of spots available – register early!

ID: 182 - MAXIMUM: 15 (PRE-REG) Personal Growth and Healing through Equine Facilitated Learning Speaker: Watson Timeslot: F 8:30 OFF-SITE

DESCRIPTION: This is a full-day, offsite session hosted at the Whispering Equine Wellness facility near DeWinton, AB.

Come connect with a horse to explore and develop a new version of yourself! During our time together, we will explore what equine facilitated learning is and how it can be beneficial for your students, staff and yourself. Individuals will participate in horsemanship activities along with experiential learning type tasks while partnering with a horse. All the horse experiences will be done from the ground. Horse and human communication styles, respectful leadership, effective problem solving and caring for others, will be a few of the topics that will be included in the session.

During these activities in our full programs, an individual may experience growth and healing through self reflection on their behaviors, reactions, instructional clarity, body language and trust, while working with the horse. These areas of growth and healing can often be seen being transferred over to other areas of the individuals life as well.

A few of the outcomes that can be experienced from participating in this type of session are:

- Healing
- Personal awareness
- Improved trust and communication skills
- Enhanced relationship and interpersonal skills
- Increased self esteem and confidence
- Sense of self empowerment
-

By offering a safe place for an individual to let down their guard and experience a true authentic relationship with a horse, that is free of judgment and criticism, it will provide space for many people to move forward in a new and positive direction in their life.

This session would be offered as an offsite presentation as a hands on experiential learning activity, and would be run out of Whispering Equine's Wellness facility in De Winton, Ab. Just between Calgary and Okotoks. We have recently signed a contract with Rocky View Schools, as a vendor, to be able to offer Equine Facilitated Learning to their students. We hope that by being able to present at this convention,

that we will be able to educate guidance staff, resource teachers as well as other teachers and staff members about the benefit of Equine Facilitated Learning for their students, that is now available to many of them. A lot of what we cover in our full school programs can be tied back into classroom work and therapy sessions

ID: 184 - MAXIMUM: 30 (PRE-REG) Break-it-Out Curriculum Challenge Speaker: Gibson Timeslot: D 1:15 GLEN 210

DESCRIPTION: In the middle of a room sits a locked box - only a locked box. Do you touch it? Do you question what is in it? You don't know, but if you do not solve the hidden clues the fate of your whole class will be doomed or cookies gone un-eaten.

Breakout EDU is a challenge based game designed by the teacher to emulate a breakout room experience. It is adaptable for any classroom, for any grade and suitable for small to large groups. Challenges could be based in math, science, logic or trivia. In this session, participants will participate in a BreakoutEDU challenge, have an opportunity to view existing challenges and maybe get started building their own curricular based learning experiences. Come with your wits intact and your imagination ready to think outside the box, to get inside the box.

ID: 189 - MAXIMUM: 20 (PRE-REG) Transform Your Stress with Heart Math: The Resilience Advantage (Personal Stress Reduction) Speaker: Warners Timeslot: H 11:30 TELUS 110

DESCRIPTION: Research shows that teaching is a stressful occupation. Common stressors include time pressures, problems associated with class size, inclusive/diverse classrooms, on-going change, and the problems of balancing a heavy workload with home life. This workshop introduces HeartMath's® system of breathing techniques and applied ways to use the techniques as well as a heart rate variability tool that can help you manage challenges and stressors in the classroom and at home.

Course Objectives:

1. To review and self-identify the warning signs of stress
2. To review heart rate variability: What is it? How is it measured? What does it mean?
3. To review how emotions impact heart rate variability, brain, body, and emotional health
4. To view heart rate variability on HeartMath's® Inner Balance application (provided by instructors)
5. To provide practical tools to help manage stress before, during, and after it happens
6. To enhance perception and communication skills

ID: 191 - MAXIMUM: 30 (PRE-REG) Design Thinking Workshop for Educational Planning Speaker: Grant Timeslot: F 8:30 GLEN 201

DESCRIPTION: There has been a lot of buzz about design thinking lately, but much of it has focused on how to teach students to become design thinkers. We believe design thinking works on many levels and can be a powerful process for teachers and administrators to use for themselves as well! This workshop will focus on a) what design thinking is, and b) how educators can use design thinking processes to plan and problem-solve more effectively. Using the phases of empathy-building, problem-defining, ideating, prototyping, and testing, we will creatively and collaboratively tackle some real-life educational planning challenges while providing examples of how we and others have used these strategies. This will be a hands-on workshop filled with sticky notes and Sharpies.

ID: 206 - MAXIMUM: 20 (PRE-REG) Outdoor Council of Canada - Compass Module 8:00-4:30 Speaker: Lemphers Timeslot: A 8:45 OFF-SITE

DESCRIPTION: This session will take place offsite at Longview School, Longview, Alberta (on Hwy 22 south of Black Diamond)

<https://www.google.ca/maps/place/Longview+School/@50.5306244,-114.2329935,17z/data=!4m2!3m1!1s0x5371b6fb0de76361:0x7d549a3ba7423c9c>

Students must be certified OCC Field Leaders in Good Standing (memberships paid)

Students will learn how to use a compass and map to take bearings in the field, calculate declination, find bearings from the map and do resections

In the afternoon we will be out in the field. Please dress for standing around in the cold. Lots of warm layers.

Our afternoon location is the Bull Creek Hills about 20km West of Longview on Highway 40. We can carpool from the school.

Time: 8:30am –4:30 (Note that we will be done in the Bull Creek Hills at 4:30, so please plan your evening accordingly)

Gear:

Lunch,

Gear to stay warm,

compass with sighting mirror (must have),

Gem Trek Map Sheet for Highwood Pass and Cataract Creek (available at MEC, and outdoor stores)

Cost: \$20 - (cash or Cheque payable to Ryan Lemphers)

Manual: Please take the time to read the attached manual for the navigation module before the course.

ID: 237 - MAXIMUM: 15 (PRE-REG) Experiential Education on Skis Speaker: Bailey Timeslot: A 8:45 OFF-SITE

DESCRIPTION: The session will be hosted on-snow at Mount Norquay. Participants should be intermediate to advanced skiers who are comfortable making parallel turns on groomed blue and black runs. Participants will be responsible for organizing their own transportation, lift tickets and rental equipment (if required).

For physical and outdoor educators, this session will show how experiential education can be used to develop student autonomy and ownership for learning in a non-traditional learning environment. A top-certified Canadian Ski Instructors' Alliance (CSIA) trainer, who is also a permanent teacher with Rocky View Schools, will share the teaching methodologies being used to train today's professional ski instructors, sharing direct links to classroom practice in developing physical literacy and outdoor leadership. The Canadian Ski Instructors' Alliance certifies all alpine ski instructors in Canada. Over the last two years, the CSIA has revamped their teaching methodology incorporating the principles of experiential education. Drawing on resources from David Kolb, professional ski instructors are now trained to guide students through a student-centred model that involves: self reflection on a controlled experience, critical thinking with a mentor to confirm understanding of skills and movement patterns in

relation to the biomechanical principles of skiing, and "active experimentation" to apply new movements in a variety of situations on the mountain. By sharing the research and methodology that is used in certifying ski instructors, physical and outdoor education teachers should gain insight into ways to bring experiential education into their own non-traditional environments (for instance, sliding sports, aquatic activities, hiking excursions, etc.).

This is not intended a certification session, but rather an introduction to the CSIA's role as the educational leader for instructors and coaches in the alpine skiing industry and an open discussion of implications for educators in all fields.

ID: 244 - MAXIMUM: 30 (PRE-REG) Exploring the Universe: In-School Field Trip Inside a Digital Planetarium Speaker: Durbano Timeslot: G 10:00 IMPERIAL 7

DESCRIPTION: Step inside the AstroDome Planetarium as we explore the universe together. This workshop session will showcase how a modern digital planetarium can be used to enhance learning, with particular emphasis on how it can promote student understanding of the spatial concepts that students often struggle with in grade 6 (Sky Science) and grade 9 (Space Exploration). Concepts such as circumpolar constellations and the altitude-azimuth coordinate system are so much easier to understand after viewing them in the immersive environment created inside the planetarium.

In addition, you can watch as the night sky comes alive as the stars are connected together to form stick-figure constellations, followed by full-colour artwork superimposed onto these stick-figure constellations. Then watch as the constellations move across the sky, rising in the east and setting in the west.

The daytime sky will also be explored. You will see how the angle of the Sun above the horizon (at midday) changes over the course of the year and you will even be able to measure the angle quite easily. Observations that would normally take a year to record outside can be simulated inside the planetarium in as little as five minutes.

Grade 9 teachers will enjoy watching excerpts from the full-dome movies, "Two Small Pieces of Glass: The Amazing Telescope" and "Back to the Moon for Good". Both of these movies fit nicely with the Science 9 curriculum and explore topics such as spectroscopy, red shift and blue shift, adaptive optics, geocentric and heliocentric models of planetary motion, as well as satellites and space probes.

Kindergarten teachers will not want to miss the excerpts from the cross-cultural planetarium show entitled, "One World, One Sky: Big Bird's Adventure", which is often described as a brilliant spectacle of light and colour. This amazing adventure allows young children to explore the night sky and learn about the Moon, the Big Dipper and the North Star, while at the same time opening their eyes to the sky and helping them see how people all over the world are connected.

Some hands-on activities will be introduced and demonstrated and participants will be able to take away some Monday-morning-ready resources that will facilitate student engagement in their

ID: 245 - MAXIMUM: 30 (PRE-REG) Making Meaning Through Makerspace Speaker: Kane Timeslot: E 2:45 GLEN 201

DESCRIPTION: In this session, participants will come to a common understanding of what the maker movement is as well as its purpose and benefits for students and educators. Participants will have opportunities to share their understanding of the maker movement and explore some issues with

starting or advancing this movement within their schools, from the perspective of both teachers and administrators. The primary focus will be on the exploration of the maker movement with students from preschool to grade six and during this session, participants will have the opportunity to examine how even the youngest students can be involved in the maker movement and how older students and younger students can work together. They will then have the opportunity to learn some ways to start exploring maker education within their school. It will include information about useful professional learning opportunities to provide to staff and some of the resources needed. Participants will also have the opportunity to take part in their own maker education activity based on a children's book, something that they could then use with students or staff. By the end of this session, participants should be able to gather materials for and organize a makerspace, develop professional learning opportunities around maker culture and create a maker based activity for students or colleagues.

ID: 246 - MAXIMUM: 30 (PRE-REG) Think Outside the Brick! Speaker: Kunz Timeslot: H 11:30 GLEN 204

DESCRIPTION: Why limit your school's Lego collection to just STEM and let only the math and science teachers have all the fun? There are so many more subjects that can benefit from this highly sophisticated interlocking brick system, such as art, social studies and language arts. This is such a fantastic way to allow our kinesthetic learners and those students who usually have difficulty expressing their ideas, on paper, to shine. Lego allows students to develop better problem solving skills that will last a lifetime. Ultimately, my goal is to have participants excited to find other ways to use this magnificent manipulative in their classroom. Participants will be able to show how these activities have cross curricular connections with lessons/activities that have been tried and tested in the classroom. We will also discuss how to start/develop/ expand a useful collection of pieces with a limited budget.

ID: 255 - MAXIMUM: 30 (PRE-REG) Collaborative Creativity & Design Thinking Speaker: Khan Timeslot: D 1:15 GLEN 201

DESCRIPTION: How might we design personalized experiences for students that support them as critical thinkers, designers, and contributors to their communities? This session will explore ways to instill a creative culture in your classroom through design thinking, the creative process, and collective knowledge building. Inspire your students' creativity, learning, and literacy.

Registrants, please bring \$5 (participant fee) to cover the cost of art and science materials that will be used during this session.

ID: 274 - MAXIMUM: 30 (PRE-REG) Exploring the Universe: In-School Field Trip Inside a Digital Planetarium (REPEAT) Speaker: Durbano Timeslot: H 11:30 IMPERIAL 7

DESCRIPTION: Step inside the AstroDome Planetarium as we explore the universe together. This workshop session will showcase how a modern digital planetarium can be used to enhance learning, with particular emphasis on how it can promote student understanding of the spatial concepts that students often struggle with in grade 6 (Sky Science) and grade 9 (Space Exploration). Concepts such as circumpolar constellations and the altitude-azimuth coordinate system are so much easier to understand after viewing them in the immersive environment created inside the planetarium.

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ID: 276 - MAXIMUM: 50 (PRE-REG) Grade 7 - 12 School Program Demos at The Calgary Zoo (12:15-1:45)
Speaker: Blair Timeslot: H 11:30 OFF-SITE

DESCRIPTION: This session, at the Calgary Zoo, will begin at 12:15pm and conclude at 1:45, giving delegates enough time to return to the Convention Centre for the 2:15 conclusion of the convention. Delegates are responsible for their own transportation to and from the Zoo. The C-Train is recommended. Pre-registrants must show their ATA card (plastic, paper or digital versions are fine) to get through the Admissions Gate. For sessions starting at 9am, the "Penguin Plunge Cafe" will be open at 8:30 with coffee and snacks. Show your ATA card for a 10% discount. (Any pre-registrants who are guests or associates members will need to check in at the Convention Info Booth, prior to your session, to receive a yellow wristband, in lieu of an ATA card.)

During these 90 minutes-sessions, you will get an overview of all the school programs offered for each division. Curriculum connections will be highlighted and you will get a chance to sample activities that are an integral part of these programs.

ID: 277 - MAXIMUM: 50 (PRE-REG) Grade 4-6 School Program Demos at The Calgary Zoo (9:00-10:30)
Speaker: Blair Timeslot: F 8:30 OFF-SITE

DESCRIPTION: This session, at the Calgary Zoo, will begin at 9:00am and conclude at 10:30am, giving delegates enough time to return to the Convention Centre for an 11:30 next session. Delegates are responsible for their own transportation to and from The Zoo. The C-Train is recommended. Pre-registrants must show their ATA card (plastic, paper or digital versions are fine) to get through the Admissions Gate. For sessions starting at 9am, the "Penguin Plunge Cafe" will be open at 8:30 with coffee and snacks. Show your ATA card for a 10% discount. (Any pre-registrants who are guests or associates members will need to check in at the Convention Info Booth, prior to your session, to receive a yellow wristband, in lieu of an ATA card.)

During these 90 minutes-sessions, you will get an overview of all the school programs offered for each division. Curriculum connections will be highlighted and you will get a chance to sample activities that are an integral part of these programs.

ID: 278 - MAXIMUM: 50 (PRE-REG) K-3 School Program Demos at The Calgary Zoo (9:00-10:30) Speaker: Blair Timeslot: F 8:30 OFF-SITE

DESCRIPTION: K-3 School Program Demos at The Calgary Zoo (9:00-10:30)

This session, at the Calgary Zoo, will begin at 9:00am and conclude at 10:30am, giving delegates enough time to return to the Convention Centre for an 11:30 next session. Delegates are responsible for their own transportation to and from The Zoo. The C-Train is recommended. Pre-registrants must show their ATA card (plastic, paper or digital versions are fine) to get through the Admissions Gate. For sessions starting at 9am, the "Penguin Plunge Cafe" will be open at 8:30 with coffee and snacks. Show your ATA card for a 10% discount. (Any pre-registrants who are guests or associates members will need to check in at the Convention Info Booth, prior to your session, to receive a yellow wristband, in lieu of an ATA card.)

During these 90 minutes-sessions, you will get an overview of all the school programs offered for each division. Curriculum connections will be highlighted and you will get a chance to sample activities that are an integral part of these programs.

ID: 279 - MAXIMUM: 20 (PRE-REG) Drawing Workshop at the Calgary Zoo (12:15pm-4:15pm) Speaker: Blair Timeslot: C 11:45 OFF-SITE

DESCRIPTION: This session, at the Calgary Zoo, will begin at 12:15pm and conclude at 4:15pm. Pre-registered participants must bring the \$20 fee to the workshop. Delegates are responsible for their own transportation to and from The Zoo. The C-Train is recommended. Pre-registrants must show their ATA card (plastic, paper or digital versions are fine) to get through the Admissions Gate. For sessions starting at 9am, the "Penguin Plunge Cafe" will be open at 8:30 with coffee and snacks. Show your ATA card for a 10% discount. (Any pre-registrants who are guests or associates members will need to check in at the Convention Info Booth, prior to your session, to receive a yellow wristband, in lieu of an ATA card.)

The zoo is a great place to draw – animals, plants and unique environments are all here! Whether you are just starting out or wanting to expand your drawing skills and confidence, join instructor Katherine Ylitalo for an engaging creative workshop in the classroom and on zoo grounds. Explore techniques, observation skills and composition using pencil, conte, soft pastel and marker. All levels welcome.

ID: 280 - MAXIMUM: 30 (PRE-REG) Destination Africa Tour and Journalling Workshop at the Calgary Zoo (1:15-4:15) Speaker: Blair Timeslot: D 1:15 OFF-SITE

DESCRIPTION: This session, at the Calgary Zoo, will begin at 1:15pm and conclude at 4:15pm. Delegates are responsible for their own transportation to and from The Zoo. The C-Train is recommended. Pre-registrants must show their ATA card (plastic, paper or digital versions are fine) to get through the Admissions Gate. For sessions starting at 9am, the "Penguin Plunge Cafe" will be open at 8:30 with coffee and snacks. Show your ATA card for a 10% discount. (Any pre-registrants who are guests or associates members will need to check in at the Convention Info Booth, prior to your session, to receive a yellow wristband, in lieu of an ATA card.)

Tour: This is a relaxing and educational guided tour of the Zoo with one of our Education team members. It is a great way to get the most up to date and "insider" information about zoo plants and animals.

Destination Africa (indoors)– a great tour in winter! Tour our giraffes, hippos, red river hogs, rock hyrax, gorillas, columbus monkeys, mandrills, and African rainforest bats and birds.

Journalling: This workshop will demonstrate strategies and techniques that combine art with scientific inquiry and open the doorway for descriptive writing. Suitable for students in grades 1-6. Be prepared to have fun, and discover your inner artist!

ID: 282 - MAXIMUM: 25 (PRE-REG) Art Across Cultures Speaker: Lewis Timeslot: G 10:00 IMPERIAL 5

DESCRIPTION: Join this hands-on session as we explore the joy of marbling paper using shaving cream, the versatility of Lino print, as well as the excitement of creating colourful Gytaku [fish] prints. During our time together we will discuss the history and cultural significance of paper marbling, lino prints and Gytaku. We will discuss how these art activities can be used in other curricular areas and best practices will be shared. Each participant will leave with a project sheet, and visual example of each project.

These projects have been successful with various age groups [grades 2-12].

Please note there is a \$10 fee for this session to cover the cost of materials. Pre-registered participants, please bring the fee to the session.

ID: 283 - MAXIMUM: 25 (PRE-REG) Art Across Cultures - REPEAT Speaker: Lewis Timeslot: I 1:00 IMPERIAL 5

DESCRIPTION: Join this hands-on session as we explore the joy of marbling paper using shaving cream, the versatility of Lino print, as well as the excitement of creating colourful Gytaku [fish] prints. During our time together we will discuss the history and cultural significance of paper marbling, lino prints and Gytaku. We will discuss how these art activities can be used in other curricular areas and best practices will be shared. Each participant will leave with a project sheet, and visual example of each project.

These projects have been successful with various age groups [grades 2-12].

Please note there is a ten dollar fee for this session to cover the cost of materials.

ID: 284 - MAXIMUM: 30 (PRE-REG) Scratch Programming Speaker: Chung Timeslot: F 8:30 GLEN 208

DESCRIPTION: This session will focus on Scratch Programming at all Grade levels. Participants will look at this language and introduced to Block Programming. We will look at all the features of this language and its use at all Grade levels. The exciting part of this language is that no coding is required. Students simply drag and drop blocks to create simple and complex programs. Sample programs will be demonstrated. We will also look at some advanced features of this program.

ID: 288 - MAXIMUM: 30 (PRE-REG) Moodle Course Building Workshop Speaker: Meyer Timeslot: F 8:30 OFF-SITE

DESCRIPTION: This is an offsite workshop held at Heritage Christian Academy located at 2003 McKnight Blvd NE, Calgary. Delegates are responsible for their own transportation to this school.

This full day workshop is all about collaborative course building in Moodle. Bring your ideas and build something cool together with the support of your peers. Sample one or more or go in-depth with just one of the following topics:

* Bring your existing resources together and build an awesome English course.

- * Student centered course building using a project based approach.
- * Use the Alberta Moodle HUB to gather ideas and resources when (re)-building your courses.

Bring your own laptop
Bring your own lunch
Bring your resources

About the Alberta Moodle HUB:

The Alberta Moodle HUB has been providing peer support Moodle teachers for over five years. It provides an ever growing list of Moodle courses that are shared amongst the community. This community enjoys the regular support of volunteer Moodle users from Alberta, British Columbia and Saskatchewan. This session will present an overview of its history and where

ID: 293 - MAXIMUM: 40 (PRE-REG) KAIROS Blanket Exercise 12:00 - 2:00 Speaker: Moostoos-Lafferty Timeslot: C 11:45 TELUS 108/109

DESCRIPTION: The Blanket Exercise is a participatory workshop in which educators will experience over 500 years of history by taking on the roles of Indigenous peoples in Canada. Standing on blankets that represent the land, they will walk through time and explore the impacts of colonization, treaty-making, and modern legislation. The Blanket Exercise is concluded by a facilitated debriefing in which participants have the opportunity to discuss the experience as a group. By engaging participants on an emotional and intellectual level, this workshop is a powerful tool for increasing empathy and understanding and is an excellent first step towards educating for reconciliation.

ID: 294 - MAXIMUM: 40 (PRE-REG) KAIROS Blanket Exercise (Repeat) - 2:00 - 4:00 Speaker: Clark Timeslot: D 1:15 TELUS 108/109

DESCRIPTION: The Blanket Exercise is a participatory workshop in which educators will experience over 500 years of history by taking on the roles of Indigenous peoples in Canada. Standing on blankets that represent the land, they will walk through time and explore the impacts of colonization, treaty-making, and modern legislation. The Blanket Exercise is concluded by a facilitated debriefing in which participants have the opportunity to discuss the experience as a group. By engaging participants on an emotional and intellectual level, this workshop is a powerful tool for increasing empathy and understanding and is an excellent first step towards educating for reconciliation.

ID: 296 - MAXIMUM: 20 (PRE-REG) Stop-Motion Wonders on the iPad. Say What?! Quick, Easy and Fun! Speaker: Schewczyk Timeslot: I 1:00 IMPERIAL 8

DESCRIPTION: You always wanted to bring this tremendously engaging art of Stop-Motion animation to your classroom but never knew how to get started, what type of technology to use and what steps are involved to make it a great learning experience?

In this quick spark session, I will show you the easiness and comfort of creating stop-motion animation on the iPad. I will introduce you to the important steps in this creation process. Post-production (editing process) has never been that easy! I will show you multiple apps you can use with your learners. You will also be introduced to neat gadgets to help you set-up your stop-motion station in your classroom and/or makerspace. Feel free to bring your iPad to download the apps presented in this session.

ID: 297 - MAXIMUM: 20 (PRE-REG) Robotmania! Programming made easy! Speaker: Schewczyk Timeslot: H 11:30 IMPERIAL 8

DESCRIPTION: Are you looking for some sensational robots? Are you planning in kicking off a makerspace in your school and are looking for some neat technology to add? And/Or are you interested in how to teach programming in a fun and engaging way? This short session will spark the excitement in every maker in you!

I will introduce you to four powerful, affordable, thrilling robots that can all be controlled by block-based programming and I'm not talking about LEGO Mindstorms Education. This session is packed with ideas and inspiration on the hardware and the teaching of coding. Join this session and see all four robots live in action!

ID: 312 - MAXIMUM: 30 (PRE-REG) Studio Bell - National Music Centre: Half Day Scavenger Hunt Experience (\$15) Speaker: Belva Timeslot: D 1:15 OFF-SITE

DESCRIPTION: Teachers can come and experience our Gamified Quest in the galleries; the same experience we offer to students.

Groups of teachers will hunt for clues, complete activities or view demonstrations in order to collect trading cards related to our collection, music, and other curriculum points.

This session will occur between 1:15 pm and 4:00 pm on Thursday, February 23. Teachers must be there from the beginning of the program to participate. Please bring the \$15 participant fee to the session.

This program is cross-curricular.

ID: 314 - MAXIMUM: 30 (PRE-REG) Environmental Inquiry: It's a Walk in the Park (1:00-4:00) Speaker: Barnes Timeslot: D 1:15 OFF-SITE

DESCRIPTION: Take a walk in the Park and ignite your fire for Environmental Inquiry with Alberta Park's Environmental Education specialists. Get outside and explore Fish Creek Provincial Park with us during this half day session. Discover how you can use Alberta Parks as Authentic Learning Landscapes while working through an inquiry-based learning model. We will profile approaches to inspire learning, how you can generate BIG questions in Parks, build knowledge, and create opportunities to develop tangible and meaningful stewardship initiatives. Come dressed for the weather as our aim is be outdoors for the entire session. Meeting place is at the Fish Creek Environmental Learning Centre.

ID: 315 - MAXIMUM: 16 (PRE-REG) Skills Canada Alberta - Prep Your Baking Competitor! (11:45 - 3:00 at SAIT) Speaker: Runkel Timeslot: H 11:30 OFF-SITE

DESCRIPTION: Join SAIT's Chef Instructor Rolf Runkel for an interactive session that may include breads, buns, and the items on the 2017 Skills Canada Alberta Regional Contest Description! Coffee and refreshments will be provided. Participants are asked to bring an apron and comfortable shoes. All other supplies will be provided, including LUNCH!

This session will be hosted at the SAIT Culinary Campus located at:
226, 230 8th Ave NW