

THURSDAY TIMESLOT: A TO E FRIDAY TIMESLOT: F TO I

ID: 17 - MAXIMUM: 8 SCHOOLS (PRE-REG) VEX Robotics - Competitive Engineering for High School

Speaker: Arends Timeslot: F 8:30 TELUS 110

DESCRIPTION: This is a FULL DAY course with Pre-registration only.

This session is ONLY open to 8 schools, so please pre-register your school, not individual teachers. Each registered school can bring 3 teachers. The fee, per school, is \$300. 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 robotics program, immediately.

Hands-on robot building at teacher's convention. YES PLEASE!!!

Make them fight! Students always want robots to fight. It is competition like this that drives innovation. This workshop will comprise of two streams.

First time attending? You are in the FOUNDATIONS stream, where you will 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 FULL DAY workshop, 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.

Have you attended this workshop in the past and are ready for the next step? Contact curtis.arends@masters.ab.ca to join the MASTER stream of this workshop. Receive a more advanced VEX robotics kit, a focused direction on where your robotics program can go, and training to mentor senior students.

IMPORTANT EARLY REGISTRATION DETAILS: Please email curtis.arends@masters.ab.ca by February 1st. This will allow enough time for robots to be ordered. Thank you.

ID: 81 - MAXIMUM: 30 (PRE-REG) Zen Inspired Landscape Speaker: Towers-Sybblis Timeslot: F 8:30 OFF-SITE

DESCRIPTION: This OFF Site, PRE-Registered program is offered at Masters Academy and College 4414 Crowchild Trail SW, Calgary, Alberta Delegates are responsible for their own, round-trip transportation. There is a participant fee of \$30. Please bring exact change to be collected at the session, by the speaker.

Go to your place of creative Zen! Join published artist and calligrapher Sally Towers-Sybblis as she leads you through the techniques to create a visually stunning landscape card. Learn how to create elements of the land using simple painting techniques along with Zen inspired drawing. Take your design and turn it into a one of a kind art card. Using similar techniques, Sally will also show you how to create a hand painted keepsake envelope to house your creation. This class is very relaxing and thoroughly creative! Absolutely no experience is required. Come to create, leave feeling relaxed and inspired! For photos of this class, visit my website www.sallytowerssybblis.com.

ID: 104 - MAXIMUM: 20 (PRE-REG) Strong Girls/Strong Women **Speaker: Scott** Timeslot: D 1:15
MACLEOD HALL E4

DESCRIPTION: There is a participant fee of \$5. Please bring exact change to be collected at the session, by the speaker.

Our society needs its citizens to actively engage and to participate in ways that better the community. It is important to recognize that over half of the population of any society are female. The Strong Girls - Strong Women (SGSW) program has been developed specifically to support girls and women in developing positive self-esteem and confidence through physical fitness and healthy social networking practices. The program is designed create resilience in our girls and women that enables them to actively participate in society and to pursue their goals.

In fact, it is important that all people understand that they are valuable and are worth the effort needed to adopt a healthier lifestyle. Join us for this half day session where you will be introduced to the Strong Girls/Strong Women program and will participate, hands-on in all aspects of a typical SGSW event including a workout session using exclusively one's own body weight. Participants should come dressed in comfortable clothes for working out, with a water bottle and exercise mat.

ID: 121 - MAXIMUM: 20 (PRE-REG) Musical Manipulatives- Make and Take It **Speaker: Mackenzie**
Timeslot: D 1:15 **TELUS 106**

DESCRIPTION: There is a participant fee of \$30 . Please bring exact change to be collected at the session, by the speaker.

Spend a session creating your own music manipulatives to bring back to the classroom and use on Monday. Discover creative ways to teach the structural and expressive elements of music and make games and activities adaptable to whole classroom, small group or independent work. Each set you make, you take home with you.

ID: 177 - MAXIMUM: 20 (PRE-REG) Improving Writing through Journaling **Speaker: Lemphers** Timeslot: F 8:30 **OFF-SITE**

DESCRIPTION: This is an OFF SITE, Pre-Registered Session held at Percy Pegler School 69 Okotoks Dr, Okotoks, AB T1S 2B1. Delegates are responsible for their own return transportation to participate in this session.

This session will explain some of the research behind journaling and give practical tools to implement this in any grade level. By practically experiencing various types of journaling participants will have tangible experiences to base their teaching from. We will begin in the classroom and move around the school to outside and then to a few locations in Okotoks. Be prepared to be outside writing and walking.

ID: 191 - MAXIMUM: 20 (PRE-REG) Outdoor Winter Trip Leadership Skills **Speaker: Lemphers** Timeslot: A 8:45 **OFF-SITE**

DESCRIPTION: This is an OFF SITE, Pre-Registered Session starting at Longview School 128 Morrison Rd, Longview, AB T0L 1H0. Delegates are responsible for their own return transportation to participate in this session.

This session will start with a classroom session at Longview School, where participants will review what is carried in a winter leaders pack as well as some winter theory. Participants will then drive out towards Highwood Junction. From the trailhead participants will work on: route finding, pacing, track setting and general winter leadership skills. Participants will finish the day off reflecting on the essential question for the day using a Thinking Routine. We may hike or snowshoe depending on the weather, participants

must come ready to be outside in any weather. Training in OCC field leader and winter module is an asset.

ID: 205 - MAXIMUM: 24 (PRE-REG) Non-contact Rugby for P.E.: teaching rugby in the P.E. classroom

Speaker: Krueger Timeslot: A 8:45 OFF-SITE

DESCRIPTION: This OFF SITE, Pre- Registered session will be held at Holy Trinity Academy in Okotoks, Alberta. It is a full day session and will be held on Thursday, February 22, 2018. Delegates are responsible for their own return transportation.

This session aims to introduce the sport of Rugby into the Physical Education classroom. The focus is to teach teachers how they can teach non-contact Rugby drills, skills and games into their P.E. courses.

Attendees will learn different warm-up activities, rugby specific drills and ideas on how to play non-contact rugby games. This session is open to participants from all grade levels. Teachers will come away from the session with a PE unit for rugby that they could start in their class on Monday. Make sure that you come to this off-site session with your gym gear and water bottles. It will be a full day session.

ID: 219 - MAXIMUM: 30 (PRE-REG) Engaging Middle School Students in Meaningful, Authentic, Outdoor Learning - Ideas and Resources for Adventurous Teachers

Speaker: Churchill Timeslot: A 8:45 OFF-SITE

DESCRIPTION: This OFF SITE Pre Registered Session will be held at Banded Beak School, 230257 Highway 22 South, Bragg Creek, AB T0L 0K0. Delegates are responsible for their own return transportation.

Participants should bring a lunch and appropriate clothing for learning outdoors while on snowshoes.

What does learning outdoors look like at your school? Is outdoor learning restricted to physical education classes? Authentic learning outdoors promotes creativity, imagination, independence, problem solving skills, social skills, physical development and improves well-being. If you are interested in learning some ideas to engage your students outdoors, Craig and Sara will take you through the development of their grade seven and eight program and how they make learning outdoors as authentic as possible. From field trips to schoolyard development to grants to authentic tasks and projects, learn how one school has engaged learners in the outdoors.

Join us at Banded Peak School in Bragg Creek for a day of learning, networking and getting outdoors. Be prepared to do some learning outside, so bring proper winter clothing and boots suitable for snowshoeing. Snowshoes will be provided.

ID: 224 - MAXIMUM: 30 (PRE-REG) Emergency First Aid with Level A+ CPR/AED Speaker: Training Services Timeslot: A 8:30 GLEN 203

DESCRIPTION: This is one full day of Emergency First Aid. The cost is \$95 + GST, per person and will be payable on pre-registration link.

This 8 hour course provides training for cardiovascular emergencies (CPR) for adults and children, as well as includes automated external defibrillator (AED) protocols and skills for dealing with obstructed airways (choking). Additional topics covered include emergency scene management, breathing emergencies, and wound care.

ID: 225 - MAXIMUM: 30 (PRE-REG) Standard First Aid with Level A+ CPR/AED Speaker: Training Services Timeslot: A 8:30 GLEN 203

DESCRIPTION: By registering in this course, you are committing to two full Convention days in First Aid and CPR. The cost is \$125 + GST, per person and will be payable on pre-registration link. This 16 hour course provides training for cardiovascular emergencies (CPR) for adults and children as well as includes automated external defibrillator (AED) protocols and skills for dealing with obstructed airways (choking).

Additional topics covered include emergency scene management (including secondary assessment), and treatment for breathing emergencies, head/spinal/pelvic injuries, and wound care (including bone and joint injuries).

ID: 227 - MAXIMUM: 15 (PRE-REG) Equine Facilitated Learning & Wellness - An introduction to possibilities this type of programming has to offer! **Speaker: Monea** Timeslot: F 8:30 **OFF-SITE**
DESCRIPTION: This OFF SITE, Pre Registered session will take place at Rafter U7 Ranch, address: Rafter U7 Ranch
Hwy 580 & RR 21, Carstairs, AB Delegates are responsible for their own, round-trip transportation. There is a participant fee of \$25. Please bring exact change to be collected at the session, by the speaker

What is equine facilitated learning and wellness and how can we explore the implementation of this form of experiential skill building and development within our school programming?

Proposed areas of exploration for students through equine facilitated learning programs can include: assertiveness and compassion, dealing with feelings of anxiousness, teamwork and communication, leadership, accountability, asking for help and accepting feedback, celebrating success. Many of which are encompassed within 21st century competencies such as critical thinking, problem solving, communication, collaboration, and self-directed learning.

During this full day opportunity, we will be working with certified equine gestalt facilitators at Rafter U7 Ranch near Carstairs AB experiencing some of the activities that students would participate in to gain a better understanding of what equine facilitated learning is and can be. Time for group discussions surrounding the possible benefits and logistical implementation of this type of programming for RVS students will also be planned for each day.

No previous horse experience is necessary and participants will only experience horses in a way that is comfortable for them during these days.

\$25 Fee for each participant
Off Site Opportunity - Rafter U7 Ranch Car

ID: 230 - MAXIMUM: 30 (PRE-REG) Stress Balls Go Hard Core! **Speaker: Lewis** Timeslot: I 1:00 **TELUS 108/109**
DESCRIPTION: There is a participant fee of \$5. Please bring exact change to be collected at the session, by the speaker.

Art, science and wonder mix to help participants explore the sculptural form of Henri Moore. This session will connect science and art through art history. Participants will learn about the media of plaster and abstraction of form as they create their own mini sculpture in the style of Henri Moore. Art is a great way to lessen stress and this session will do the trick!
Register for this session and learn "Moore".

ID: 277 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Enclosure design in Eurasia with a focus on Pandas **Speaker: Gilchrist** Timeslot: G 10:00 **OFF-SITE**
DESCRIPTION: This off-site session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

Ever wondered why one zoo animal's enclosure is bigger than another? Why some animals have more shelter than others? Or what some of the objects are in their enclosures? Discover the answers to these questions and more while exploring the needs of these unique Eurasian animals by studying some of their skulls and even comparing your jump to a snow leopards. We will also be discussing our new Panda habitat and how it can support your teaching. This program will be outdoors, dress accordingly.

ID: 278 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Biodiversity through the Canadian Wilds **Speaker: Gilchrist** Timeslot: F 8:30 **OFF-SITE**

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

Why do animals have unique mating behaviours – and what part do those behaviours play in ensuring biological diversity? As we explore the nature of reproduction we'll have some fun learning about the mating behaviours of some of our resident animals, and finding out how animals in the wild preserve biodiversity in their species. We'll learn about the Species Survival Plan and the science behind captive breeding programs, all while taking a leisurely walk through the Calgary Zoo's Canadian Wilds and looking at animal artifacts to support the learning. This program will be outdoors, dress accordingly.

ID: 280 - MAXIMUM: 30 (PRE-REG) Discover BirdSleuth and the Citizen Science Opportunities from the Cornell Lab of Ornithology **Speaker: Smith** Timeslot: D 1:15 **OFF-SITE**

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

Join BirdSleuth Ambassador, Rogue Naturalist's Sarah M. Smith, to discover an exciting set of resources! The Cornell Lab of Ornithology offers some of the most engaging and exciting citizen science opportunities out there today, including wonderfully accessible and free resources such as eBird. By participating in citizen science and investigations, students become scientists. They gain real science practice, developing process skills – all by practicing observations of the birds around them and following their own inquiries deeper.

No birding expertise is required of the educator! BirdSleuth, the K-12 education program out of Cornell, is designed to help both students and educators develop a basic birding knowledge, and offers fantastic support and resources for further inquiry and for expanding that knowledge. During this workshop, participants will be provided with an introduction to the BirdSleuth program, including Alberta curriculum links and applications, as well as an introduction to the excellent free resources that will help them scaffold student inquiry and participate in citizen science. Part of the workshop will include a birding session outside at the Calgary Zoo, so please dress for the weather. In addition, a smartphone, while not necessary, will allow individual exploration of eBird and several other useful apps, in the field

ID: 281 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Deeper Stages of Play-Based Learning; using the play Croak to set the stage **Speaker: Smith** Timeslot: A 8:45 **OFF-SITE**

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

In this active, hands-on workshop, participants will leap right into an exploration of theatre as a teaching tool by engaging in a mini-production of "Croak!" a popular program from the Calgary Zoo's School Programs! In this interactive play, we follow the fates of young leopard frogs through the different stages of their lifecycle. Using costumes and your best acting, we will delve into the watery world of amphibians to discover what dangers lurk in their world and how we can help.

Using this play as an example for inspiration, Sarah M. Smith will then work with participants to guide them through the process of using science to develop their own script/story-telling idea. This workshop focuses on making arts education techniques relevant and accessible to science educators. Through an exploration of theatre, story-telling, music, and other performing arts, participants will be given curriculum-linked examples of how to turn a science (or math) lesson into something deeply creative, fun, and personally relevant for their students

ID: 282 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Life of Pi; Animals, Literature and Anthropomorphism
Speaker: Gilchrist Timeslot: D 1:15 OFF-SITE

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

Have you ever wondered how much space a tiger would take up in Yann Martel's Life boat in Life of Pi? This is your chance to find out what it would be like to share a life boat with the myriad of animals that start off on Pi's adventure across the ocean. We'll explore the natural history of tigers and learn about their relationship with humans, including animal training. In a discussion about zoos around the world we'll also compare the Pondicherry Zoo to the Calgary Zoo.

ID: 283 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Connections in Nature, introducing conservation to the classroom Speaker: Gilchrist Timeslot: H 11:30 OFF-SITE

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

Confidently integrate conservation and environmental literacy in this hands on session, through the use of everyday curriculum. Explore the many connections between a species and its ecosystem, along with the diverse impacts of human actions. The session will expand on how this approach to learning about the interconnectedness of nature encourages conservation of these species.

Learn about how the Calgary Zoological Society encourages students to discover the important role of some key species and what we're doing to aid the conservation of the species, by having a go at this hands on activity. Expand on this to develop its use for you in your classroom with discussion and ideas on how to extend the activity to suit your grade and curriculum needs. There is an outdoor portion so please dress appropriately.

ID: 284 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Animal Health and Happiness Speaker: Gilchrist
Timeslot: E 2:45 OFF-SITE

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

Come and explore the Calgary Zoo's Animal Health Centre and how we look after our animals. Compare our human health and life skills to how they are managed for our animals, analyze how positive health

habits can be supported by a variety of approaches to health practices and treatments discussing how we keep them healthy with their diet and the changing needs of the various animals and their life stages.

ID: 285 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Waste and the Penguin World; A behind the scenes look at how we maintain our penguin pool. **Speaker: Gilchrist** Timeslot: C 11:45 **OFF-SITE**

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

Come for a private viewing of our penguins before the zoo opens and take a tour of our state of the art filtration room, including looking at the sustainability features of this building. Find out how much natural waste the penguins produce and how we manage to keep the pool clean for the penguins and clear for viewing!

ID: 287 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Nature Journaling through Destination Africa **Speaker: Beaty** Timeslot: F 8:30 **OFF-SITE**

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation.

Immerse yourself in the warmth of Destination Africa while its resident animals inspire you in this workshop that will demonstrate strategies and techniques that combine art with scientific inquiry and open the door to descriptive writing. Be prepared to have fun and discover your inner artist as you slow down and appreciate the finer details around you. No previous artistic experience necessary, just a willingness to have a go!

ID: 304 - MAXIMUM: 30 (PRE-REG) Calgary Zoo: Bees, Butterflies and Bats, Oh my! – Hands- on Workshop **Speaker: Smyth** Timeslot: A 8:45 **OFF-SITE**

DESCRIPTION: This OFF SITE, Pre Registered session will take place at The Calgary Zoo, address: 210 St. George's Drive NE, Calgary, AB T2E 7V6. Delegates are responsible for their own, round-trip transportation. There is a participant fee of \$30. Please bring exact change to be collected at the session, by the speaker.

Pollination is a vital part of our food industry. In this hands on session where you get to take away a pollinator planter garden, you'll learn all about the needs of the plants and the relationship between the shape of a flower and its pollinator. While you look at how pollination occurs, be prepared to get your hands dirty and find out how you and your school can help pollinators in the wild. Brought to you by Kath in collaboration with the Calgary Zoo.

ID: 328 - MAXIMUM: 40 (PRE-REG) Learning From Each other: Canada and Africa Connect **Speaker: Lewis** Timeslot: G 10:00 **TELUS 108/109**

DESCRIPTION: There is a participant fee of \$2 . Please bring exact change to be collected at the session, by the speaker.

Understanding similarities can create better connections. Learn how to use the modified resist art of Bogolanfini [African Mud Cloth] in the classroom to help students see the importance and similarities between some of the symbolism, life lessons and image making of both Canada and Africa's indigenous people.

ID: 337 - MAXIMUM: 30 (PRE-REG) Creating a Culture of Respect for Gender and Sexual Diversity

Speaker: Palmiere Timeslot: D 1:15 GLEN 206

DESCRIPTION: Building on the anti-homophobia work that Calgary Sexual Health Centre has been doing since the 1990s, this workshop defines and examines the differences between sex, gender, and sexual orientation. We discuss the root causes of homophobia, biphobia, transphobia, and heterosexism, while looking at both media messaging and our culturally constructed views of gender and the impact this can have on students and colleagues. Participants will leave with practical strategies for creating a safer, more inclusive and respectful school environment. They will also learn about additional community resources and referrals.

ID: 343 - MAXIMUM: 20 (PRE-REG) Shuttle Time Speaker: Gilliland Timeslot: F 8:30 OFF-SITE

DESCRIPTION: This is an OFF Site Pre Registered session that will be held at Edison School, Address: 322155 15th St East, Okotoks, AB T1S 1A2. Delegates are responsible for their own return transportation.

There is a participant fee of \$150 +GST for this session.

Shuttle Time is a grass roots badminton coaching delivery system focused on school teachers, beginner coaches, and their respective students. This blended learning program's goal is to instruct teachers and novice coaches in the technical and tactical skills of badminton in a progressive, systemic manner. This program has been integrated into the CAC / Badminton Canada Instructional coaching stream, and aligns with CS4L and LTAD models and protocol. Application of this program is intended to promote physical literacy within the school system using badminton as the conduit. This on court introduction to badminton exposes coaches to the basics of the game which includes grips, forecourt movement, backhand serve, net shots, as well as an overview to the overhead clear. Participants will also be presented with a series of revision games that will re enforce the specific technical skills.

ID: 350 - MAXIMUM: 30 (PRE-REG) SAIT School of Construction Engineering Design and Drafting and Geomatics Engineering Technology Speaker: Douglass Timeslot: D 1:15 OFF-SITE

DESCRIPTION: This OFF SITE, Pre Registered session will take place at SAIT, address: 1301 16 Ave NW, Calgary, AB T2M 0L4 Delegates are responsible for their own, round-trip transportation.

We are excited to share some projects that our students here at SAIT are working on that would align with the Career Technology Studies Trades, Manufacturing and Transportation option offered through CBE.

Participants will access several of our drafting and design programs in one of our state of the art computer labs.

ID: 351 - MAXIMUM: 30 (PRE-REG) SAIT Model Home Building Speaker: Weinert Timeslot: H 11:30 OFF-SITE

DESCRIPTION: This OFF SITE, Pre Registered session will take place at SAIT, address: 1301 16 Ave NW, Calgary, AB T2M 0L4 Delegates are responsible for their own, round-trip transportation.

Adapted primarily for CTS teachers, this session will provide teachers with everything they need to know to reproduce this fun, engaging project with their students. The model is a 1:10 scale version of the full-size homes built on SAIT campus by Architectural Technology and Civil Engineering Technology students and was first introduced to Calgary and area secondary schools in 2012 with great success. The project follows AB Ed. CTS modules CON 1070, CON 2035, CON2045 and CON 3210 and was approved by CBE,

CSSD and RVSD for credit. Attendees will receive electronic copies of reproduce-able blueprints along with material requirements and how-to construction details.

ID: 356 - MAXIMUM: 30 (PRE-REG) Engage your students - Teaching French using the action-oriented approach **Speaker: Lockhart** Timeslot: H 11:30 **TELUS 111**

DESCRIPTION: This workshop will provide French teachers with practical tools and strategies to help them incorporate an action-oriented approach in the classroom. Action-oriented tasks prepare students for a multitude of authentic situations that they could potentially face in everyday life. They involve learners in meaningful communication and in tasks that are real and practical in nature. When French teachers adopt the action-oriented approach, students are able to demonstrate what they can do in French as well as what they know about French language structures. The action-oriented approach has a clear focus on second language learning as an active and engaging process.

ID: 368 - MAXIMUM: 30 (PRE-REG) The Blanket Exercise **Speaker: Clark** Timeslot: H 11:30 **IMPERIAL 4/6**

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. By engaging participants on an emotional and intellectual level, this workshop is a powerful tool for increasing empathy and understanding.