WHAT IS BEAKERHEAD?

For decades, people have been streamed into either the arts or sciences, yet it is precisely at their intersection where ingenuity lives.

Beakerhead is an annual program that brings together the arts, sciences, and engineering sectors to build, engage, compete, and exhibit interactive works of art, engineered creativity and entertainment.

Why? Because creativity is crucial. When you throw open the doors to science and engineering through a welcoming world of art and entertainment, a lot can happen. Boom. Bridges are built. People learn from each other. New ideas are sparked. Communities thrive.

TO THE NEXT 150 YEARS...

Beakerhead takes place on the traditional territories of the Blackfoot and the people of the Treaty 7 region of Southern Alberta. 2017 marks 150 years of Confederation and presents an opportunity to build the next century with hope. Beakerhead is committed to the reconciliation of peoples who lift one another up to achieve everyone’s full potential – collectively and individually.

WHERE DOES IT HAPPEN?

Beakerhead takes place indoors and out, and involves venues and public spaces throughout the city. See page 5 for your map!

WHO CAN TAKE PART?

Everyone!

HOW TO BUY TICKETS

- Most events are free. Explore with abandon!
- Register and buy tickets online. Visit Beakerhead.com.

HOTEL PACKAGES

For details visit http://beakerhead.com/attend/hotels-packages

Photo: Serpent Mother by Flaming Lotus Girls. Photo: Tristan Savatier

Cover Photo: Penny Breedon

Photo: Johanna Hung
SATURDAY
SEPTEMBER 16, 7:00 – 11:00 PM
Fort Calgary and East Village River Walk
FIRE, LASERS, LIGHT AND MUSIC MAKE UP THE DNA OF SCIENCE'S BIGGEST STREET PARTY.

The dark comes to life with multiple installations, experiences and performances spread out across Fort Calgary and the River Walk. Warm up beside Serpent Mother’s 20-foot tall towers of fire, and grab a chemical cocktail at the Beakerbar. Bask in the glow of innumerable twinkling lights, discover a sea mammal of magnificent proportion, and join together around the Rings of Reconciliation.

By the way, there is no dress code. Really. This is a time to show the true you – as wild and wacky or as simple and true as you feel in your inner core. Show up!

Admission by donation

FOUR TO SIX
WEDNESDAY – FRIDAY
SEPTEMBER 13 – 15, 4:00 – 6:00 PM
Stephen Avenue Walk, between 1 St SE and 3 St SW
THREE FULL BLOCKS OF OPEN-AIR EXPERIMENTATION!

Tired of the rat race? Stretch your legs in the human-sized hamster wheel, check out big-time science buskers, and explore the cacophony of artists and performers – both human and machine. Bring your co-workers or family to this daily new take on rush hour and experience what happens when the street becomes a laboratory.

Free
**BEAKERBAR**

Pull up a chair with old (and new) friends to toast the spirit of invention at the Beakerhead Inventors Market and Beakerhead – where cold brews and chemical cocktails are yours for the tasting. Soak in the sunshine (we hope) or bask in the glow from Serpent Mother who towers nearby.

**WEDNESDAY – FRIDAY**

4:00 – 9:30 PM

**SATURDAY**

NOON – 11:00 PM

**SUNDAY**

NOON – 5:00 PM

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**ENGINEERED EATS**

Dining is a whole new experience when chef and bartender become scientist! This year, introduce your tastebuds to a whole new take on a staple Canadian grain: barley!

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<th>Restaurant</th>
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<tr>
<td>ANJU</td>
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<td>AVEC BISTRO</td>
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<td>BANK &amp; BARON P.U.B</td>
<td>125 – 8 Ave SW</td>
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<td>BRASSERIE KENSINGTON</td>
<td>1131 Kensington Rd NW</td>
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<td>BREWSTER’S</td>
<td>834 – 11 Ave SW</td>
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<td>BRIGGS KITCHEN + BAR</td>
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<td>BURGER 320</td>
<td>126 10 St NW</td>
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<td>BUTCHER AND THE BAKER</td>
<td>181, 250 6 Ave SW</td>
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<td>DEANE HOUSE</td>
<td>806 – 9 Ave SE</td>
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<td>EMBARCADERO WINE &amp; OYSTER BAR</td>
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<td>HOME &amp; AWAY</td>
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<td>KLEIN / HARRIS</td>
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<td>LAST BEST BREWING &amp; DISTILLING</td>
<td>607 – 11 Ave SW</td>
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<td>OXBOW</td>
<td>1126 Memorial Dr NW</td>
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<td>PAPER ST.</td>
<td>630 – 8 Ave SW #102</td>
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<td>Q HAUTE</td>
<td>100 La Caille Pl SW</td>
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<td>RIVER CAFÉ</td>
<td>25 Prince’s Island</td>
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<td>RODNEY’S OYSTER HOUSE CALGARY</td>
<td>355 – 10 Ave SW</td>
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<td>ROUGE</td>
<td>1240 – 8 Ave SE</td>
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<td>SHOKUNIN</td>
<td>2016 – 4 St SW</td>
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<td>THE BELT LINER</td>
<td>243 – 12 Ave SW</td>
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<td>THE COUP</td>
<td>924 – 17 Ave SW</td>
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<td>WINEBAR KENSINGTON</td>
<td>1131 Kensington Rd NW</td>
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<td>WINSPORT</td>
<td>88 Canada Olympic Rd SW</td>
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<td>WORKSHOP KITCHEN + CULTURE</td>
<td>608 – 1 St SW</td>
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<td>YELLOW DOOR BISTRO</td>
<td>119 – 12 Ave SW</td>
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**LOOK FOR BEAKERHEAD TREATS AT THESE SHOPS TOO!**

Juice Because, Fiasco Gelato, Plant, Shelf Life Books, Friday Sock Company and The Chocolate Lab
THE SHOWS OF BEAKERHEAD

Get a seat for shows that are “Magical, engaging and full of wonder!”

THE APE IN YOU

WEDNESDAY, SEPTEMBER 13
7:30 – 9:00 PM
Engineered Air Theatre,
Arts Commons 234 – 9 Ave SE

A night of ape-centric chaos is guaranteed. Led by an expert primatologist Dr. Hugh Notman and Calgary’s best improv actors, witness the behavioral norms of our primate brethren. You’re not so different than a gorilla, except maybe you have less body hair. Maybe…

Tickets: $24.99 (18+)

SCIENCE OF CATS AND DOGS

THURSDAY, SEPTEMBER 14, 7:30 – 9:00 PM
Bella Concert Hall,
Mount Royal University

What mysteries lurk beneath all of that fur, and what does our fascination with these two domesticated species say about us? Naturally, we turn to science (and music, and comedy) to find out.

Hosted by Jay Ingram and the Beakerhead Band with:
• Talent from CBC Radio’s The Irrelevant Show
• Susan Cuthbert, original cast member, Toronto production of CATS
• Pam Johnson-Bennett, host of Animal Planet’s Psycho Kitty
• Robert Losey, PhD, specialist in animal-human relationships
• Joseph Orkin and Pinkerton the Detection Dog

Plus agility dogs, robo-cats, a surprise Canadian icon and more!

Tickets: $44.99 Adults / $24.99 (under 18)

SCENT BAR

WEDNESDAY TO FRIDAY, SEPTEMBER 13 – 17, 8:00 – 9:00 PM
SUNDAY, SEPTEMBER 17, 2:00 – 3:00 PM AND 8:00 – 9:00 PM
604 – 8 Ave SW

Imagine if particles in the air were all it would take to transport you somewhere you’ve always wanted to go. Take a seat at the bar for this journey! Scent Bar is the next chapter in an annual theatrical sensory experiences produced by Ghost River Theatre.

Tickets: $50.00

SEVEN WONDERERS

FRIDAY, SEPTEMBER 15, 7:30 – 9:00 PM
Studio Bell, home of the National Music Centre

Some say science holds the greatest adventure stories on earth – in the hands of the right storytellers. This evening of sparkling storytelling will take you to the front-lines of science – seven stories with music to match!

Hosted by Chantal Chagnon, along with guests:
• Peter Berg, professor of physics
• Eva Choi, co-owner of The Chocolate Lab
• Jeff Douglas, co-host of CBC Radio’s “As It Happens”
• Margriet Greidanus, emergency physician and trauma specialist
• David Isaac, co-founder of the First Nations Renewable Energy Collective
• Mario Pinto, president of NSERC
• Titilope Sonuga, civil engineer, writer and performance artist

Tickets: $39.99
EVERY TALE OF INVENTION HAS UPS AND DOWNS
Explore Beakerhead through a series of 14 sites connected by a common theme: the ups and downs of the journey of invention.

It’s not a typical board game – but rather a way to explore the ingenuity of homo sapiens in a hands-on way! At every site, you can move on in one of two directions. As you follow a route through Calgary, you’ll experience first hand what every explorer knows – your path is shaped by timing and hunches.

For those who enjoy the satisfaction of going from start to finish, we guarantee you can start at SAIT/ACAD and complete all 14 stops, with a few twists and turns along the way.

Most sites are free, though ticketed tour packages offer up exclusive experiences.

**Tickets at Beakerhead.com**
**4 LOOP**

**SPIN A TALE**

ALL DAY. EVERY DAY.
4 St SW, between 20 Ave SW and Elbow Drive

This musical installation invites you to sit inside an illuminated cylinder two meters in diameter, where your motion will activate this retro-futuristic mechanism, causing beautiful images inspired by fairy tales to come to life. Created by Olivier Girouard, Jonathan Villeneuve and Ottoblix, and produced with the support of Quartier des Spectacles Partnership, Montreal.

**5 BOWWAVE**

**THE RIVER CONNECTED**

WEDNESDAY – SATURDAY, 5:00 – 11:00 PM
SUNDAY, 10 AM – 6:00 PM
On the banks of the Bow River just east of Centre Street

BowWave is a technology-driven excuse to revel in the beauty of the Bow River. See the river. Play the river. Illuminated, interactive shapes stretch out on a beach created by the 2013 flood waters. Created by long-time Calgary friends (engineers, artists, designers, and makers), it uses reclaimed gear from the old science centre – connecting all peoples at a location of historical significance.

**6 UP AGAINST ALL ODDS**

KNOW WHEN TO HOLD ‘EM

WEDNESDAY – FRIDAY, NOON – 8:00 PM
SATURDAY, 10 AM – 8:00 PM
SUNDAY, 10 AM – 6:00 PM
McDougall Centre, 455 6 St SW

It’s the gambler’s ruin: the chance in any given roll feels pretty reasonable – one in six, if you are rolling a single die. So what are the chances you can make it to the top of the stairs? This is applied math at its most delightful, by local math and physics professor Peter Berg. Test your luck!

**7 CALGARY MUNICIPAL SPACE STATION**

PUBLIC TRANSIT GOES TO THE SKY – AND BEYOND!

PURCHASE TICKETS IN ADVANCE AT BEAKERHEAD.COM
Calgary Tower, 101 – 9 Ave SW

The year is 2047 and you are invited to the grand opening of the world’s first municipal space station! Calgary’s public transit system now features direct service via space elevator to the Calgary Municipal Space Station. Launch up, have your say on where the next space station should go. Created by Humble Wonder in partnership with Quickdraw Animation Society. $24.99

**8 MARS 112**

GREETINGS FELLOW MARTIAN COLONIST

WEDNESDAY – FRIDAY, NOON – 8:00 PM
SATURDAY, 10 AM – 8:00 PM
SUNDAY, 10 AM – 6:00 PM
Loft 112, 535 – 8 Ave SE

Welcome to Persephone Smith-Johansson’s human habitat. It’s a showhome. On Mars. Persephone was sent to the remote planet to oversee the construction of the first Martian colony. Step through the decontamination chamber and into her story, brought to you by a multidisciplinary collaboration led by Loft 112.
Ssssstretching 168 feet long and with 40 pillars of fire, Serpent Mother by San Francisco’s Flaming Lotus Girls is the most literal of snakes in Snakes and Ladders – and she takes the cake for the fieriest presenter to date. Unfurling her spikes on Wednesday at noon, she will be nesting at Fort Calgary until Sunday at 6 pm, with five hair-singeing fire shows to check out on Friday and Saturday nights.

Can you find your way home by following the stars? Experience a multimedia installation merging three elements: a First Nations star legend, modern engineering, and new media based art. Engage in a sensory experience that tells the story of the Big Dipper (ihkitsikammiksi).

Grab a friend, or make a new one. Bob up and down together on 15 gigantic motion-aware teeter-totters that will reward you for your playfulness. This work was commissioned and produced by the Partenariat du Quartier des Spectacles in Montreal and created by Lateral Office, CS Design Inc, EGP Group, Mitchell Akiyama, Générique Design and Robocut Studio. Talk about collaboration!

The future of Victoria Park is bright indeed, with plans underway to transform this historical part of Calgary’s core. Step into a beautiful world of light projection at night in an art installation presented by a talented team led by David Low. Explore Enoch House and Enoch Park, and take in Nest on your way. This is a trip that will light up your imagination!

Tread lightly! A giant dragon (or little dragons?) may lurk behind construction barriers … It’s impossible to see exactly what’s behind the hoarding. If you feel like you’re being watched, chances are something’s got its eye on you.
WEDNESDAY

EXTREME BOARDGAMING

6:00 – 9:00 pm, Pips Board Game Café, 2015 – 33 Ave SW

Take your board game skills to a new level. Play Pandemic with a microbiologist or Clue with a forensic investigator.

Tickets: $35 (includes one entrée). 16+

VIRTUAL EXPERIENCES:

MAKING STUFF EASIER, COOLER AND BETTER

6:30 – 8:30 pm, Enmax District Energy Building, 407 – 9 Ave SE

What’s all the hubbub with virtual experiences? Join Chic Geek to explore where the technology is headed.

Tickets: $30 Adults. $20 Students

DARK AND STORMY: BECOME A BARSTOOL WEATHER EXPERT

7:00 – 8:00 pm, 750 – 9 Ave SE, Beakerbar, Fort Calgary beside Serpent Mother

Get the scoop on climatological phenomena with CTV’s meteorologist David Spence and seasoned storm chasers Chris Ratzlaff and Beth Allan.

Free. 18+. Register online

BUTCHER THIS ANATOMY CLASS

6:00 – 8:00 pm, Cookbook Company Co. 722 11 Ave SW

Translate knife skills to dissection technique in this butchery workshop, guided by seasoned anatomy expert Warren Fitch and the team at Charcut.

Tickets: $125

MALTED MILKSHAKE MADNESS

7:00 – 8:30 pm, Burger 320, 126 10 St NW

Learn the science behind turning starchy barley grains into sweet malted barley. Use this knowledge and creativity to make your own signature malted milkshake! Presented by Chef Mario Spina and Paul Gordon.

Tickets: $25

SPECTRAL ILLUMINATIONS II

8:00 – 11:00 pm, Memorial Park Library, 1221 – 2 St SW

Local media artists are lighting up the beautiful historic Memorial Park Library with projections. Presented by EMMEDIA in partnership with Calgary Public Library.

Free
THURSDAY

TECHSTOCK

1:00 – 6:30 pm, Alastair Ross
Technology Centre, 3553 – 31 Street NW
See how local innovators are driving change. Explore hands-on activities and emerging tech.
Free

NINE DRAGONS: LIGHT DESIGN WORKSHOP

5:30 – 7:00 pm, Vertigo Theatre,
#161, 115 – 9 Ave SW
Take a peek behind the curtain of theatre production and the play Nine Dragon with a backstage tour and hands-on workshop.
Tickets: $15

UNDER THE LENS: A FELTING LAB

6:00 – 9:00 pm, The Snyder Institute for Chronic Diseases, 3280 Hospital Drive NW
Where else might you master the craft of microscopy and dry felting? Hosted by fibre artist Adele Schatschneider and the Live Cell Imaging Facility.
Tickets: $60

GOOD CHEMISTRY: SCIENCE OF BEER

6:00 – 8:00 pm, Beakerbar, Fort Calgary beside Serpent Mother, 750 – 9 Ave SE
Talk to craft brewing experts to find out the art and science behind making one of the most popular drinks in the world with beer in hand, of course.
Free admission. Beer tickets for purchase

BUILD YOUR OWN POWER SOURCE

6:00 – 9:00 pm, Studio C at cSPACE, #235, 1721 29 Ave SW
Whether you are camping, living off the grid, or you just want to prepare for the coming zombie apocalypse, learn how to create your own solar energy source thanks to Light Up the World.
Tickets: $35

INKED: THE SCIENCE OF TATTOO

7:00 – 9:00 pm, Barron Tattoo Parlour, 912 – 12 Ave SW
Spend the evening in a tattoo parlour beside a dermatologist and tattoo artist to learn about the social and cutaneous science of getting permanently inked.
Tickets: $75. 18+

BEAKERHEAD AT NIGHT PHOTOGRAPHY WORKSHOP

7:00 – 10:00 pm, The Camera Store, 802 – 11 Ave SW
Capture a spectacular evening of photos while exploring Snakes and Ladders sites. Led by Panasonic Lumix Storyteller Rob Brown and presented by The Camera Store.
Tickets: $69.95

ADULTS ONLY NIGHT: HACK IT

6:00 – 10:00 pm, TELUS Spark, 220 St Georges Dr NE
Humans have been hacking our world since we started carving bones into tools. You may have already tried hacking electronics or toys, but what about hacking your life or your mood?
Tickets: $19.95. 18+

SCIENTIFIC SOMMELIER

7:00 – 9:00 pm, Bricks Wine Company, #101, 902 – 9 Ave SE
Uncork your inner grape geek with a guided exploration of the elements responsible for the taste and body of your favourite wines. Guided by Bricks Wine Company’s own Wine Director.
Tickets: $45

THE TIME TRAVELLER’S AGENDA

6:00 – 8:30 pm, Alberta College of Art + Design, 1407 – 14 St NW
Unravel how the Earthling brain processes time while making a beautiful Japanese-bound agenda. Hear from an astrophysicist about time travel and a productivity expert about staying on task.
Tickets: $25

Photo: Gemma Wallace
**FRIDAY**

**COOKING IN THE ARCTIC**
5:00 – 7:30 pm, ATCO Blue Flame Kitchen, 909 – 11 Avenue SW

Venison stew and cloud berry bannock are yours for the making (and tasting)! Explore Indigenous culture, climate change, and food security with the Arctic Institute of North America.

Register: $110

**SPINAL TAP: EDIBLE VERTEBRAE**
6:00 – 9:00 pm, The Alex Community Food Centre, 4920 17 Ave SE

Anatomy class, with an edible outcome! Led by Ammolite BioModels (people who make orthopaedic surgery training models) and the bean to bar chocolate experts from Kin + Pod.

Tickets: $75

**THAT SOUNDS DIFFERENT: A LISTENING PARTY**
6:00 – 7:30 pm, Grace Presbyterian Church, 1009 – 15 Ave SW

Experience sound from the unique perspectives of those living with different auditory perceptions. Presented by Deaf & Hear Alberta.

Tickets: $10

**SOUNDSCAPES OF THE WEASLEHEAD**
6:00 – 8:30 pm, Blank Page Studio, 1221 B Kensington Rd NW


By donation

**THE BRAIN ON DOPAMINE**
7:00 – 8:00 pm, Beakerbar, Fort Calgary beside Serpent Mother, 750 – 9 Ave SE

Grab an ale or a cocktail to hear Dr. Vedran Lovic’s illuminating research on the connection between dopamine, motivation, and addiction. Presented by the Hotchkiss Brain Institute.

Free. 18+

**A TASTE OF THAT THING IN THE DESERT**
6:00 – 11:00 pm, Parking Lot at 311 8 Street SW

A unique evening inspired by Black Rock City. Get dressed up in your Burner finest for this family friendly event. Presented by The League of Extraordinary Albertans.

Free

**SCIENCE OF GOOD GROOMING**
7:00 – 9:00 pm, Kent of Inglewood, 1319 – 9 Ave SE

Chemists and brain experts would agree that feeling good about how you look isn’t just frivolous vanity. Get microscopic about grooming and fine elixers at Kent of Inglewood.

Tickets: $40. 18+

**CREATING COOL: THE INTRIGUING WORLD OF SPECIAL EFFECTS**
7:00 - 9:00 pm, Bleeding Art Industries, #3, 3815 – 61 Ave SE

Bleeding Art Industries gives you a macabre peek at the behind-the-scenes of mechanical special effects.

Tickets: $20

**PLAY YOUR WAY TO GREAT**
7:00 – 8:00 pm, The Claw at Eau Claire Market

How do you build the best version of yourself? Through play of course! Hear from Pierre Harrison, a leading expert on the importance of play. With thanks to the International Play Association.

Free. Register online

**THE LOCKED LIBRARY**
7:00 – 10:00 pm, Calgary Public Library, Central Library, 616 Macleod Trail SE

They say the library takes you places that you’ve never been, and in this after hours adventure, it’ll take you out of this world. Presented by the Calgary Public Library Foundation and Treasure League Calgary.

Tickets: $40 (or $100 donation with a $60 tax receipt)

**COSMOS CANADIANA**
8:00 – 11:00 pm, Rothney Astrophysical Observatory, Highway 22 South, Priddis, AB

An evening of stellar Canadian contributions to the field of astronomy for the past 150 years – from Standard Time to black holes and the birth of the universe. Presented by the Rothney Astrophysical Observatory.

$30 per carload upon entry
SATURDAY

**GIRLS LEARNING CODE: LIGHT IT UP!**
10:00 am – 4:00 pm, Innovate Calgary, 3553 – 31 Street NW
Create programmable self-expression in this beginner-friendly youth-focused software and circuits workshop.
Free. Register online

**SYNTH BUILD JAM**
10:00 am – 1:00 pm and 2:00 – 5:00 pm, Beat Drop, 1120 – 17 Ave SW
Geared towards beginners, build a light-controlled analog noise machine synth – then plug it into a sound system and jam.
Tickets: $59.00 for 2 people per kit, and $47.00 for an extra kit

**MONSTROUS ADVENTURE PLAYGROUND**
Noon – 4:00 pm, Shaw Millennium Park, 1220 – 9 Ave SW
If kids designed playgrounds, the end result would be delightfully chaotic - and maybe a tad risky. Bring the kids to run, imagine, build and demolish. Presented by the International Play Association and the City of Calgary.
Free

**OTAFEST PRESENTS: IRON COSPLAY LIVE!**
1:00 – 3:00 pm, Calgary Telus Convention Centre, Telus Room 111, 120 9th Avenue SE
Welcome to Cosplay Stadium. Your mission: improvised costume design and construction with recycled materials (and a mystery ingredient)!
Free. Register online

**POP-UP PUPPET STUDIO**
1:00 – 3:00 pm, Fort Calgary Learning Centre, 750 – 9 Ave SE
Create a quirky bottle puppet complete with its own foaming chemical reaction in this kid-centric workshop led by the creative folks at WP Puppet Theatre.
$10 per person or $35 for groups of 4-6

**PROJECTION MAPPING WORKSHOP**
1:00 – 4:00 pm, Central Memorial Library, 1221 – 2 St SW
Projection mapping gives the artist the possibility to create illusions of physical shapes, right in front of your eyes. Here’s an introduction to the tools and methods to create these magical visuals. Presented by EMMEDIA.
Free. Register online

**VIRTUAL REALITY (INTRO) ACADEMY**
1:00 – 5:00 pm, Mount Royal University Riddell Library and Learning Centre, 74 Mount Royal Circle SW
Calling all aspiring VR developers! Meet up IRL and gain the insight you need to create your own projects and apps. Presented by the Academy of VR and Mount Royal University.
Free. Register online

**INVENTORS OPEN MIC**
3:00 – 4:00 pm, Beakerbar, Fort Calgary beside Serpent Mother, 750 – 9 Ave SE
Got the next big idea? We want to hear about. Inventors and thinkers will share their ah-ha's from the stage as part of the Inventors’ Market supported by ATB Financial.

**COOKING IN THE ARCTIC**
5:00 – 7:30 pm, ATCO Blue Flame Kitchen, 909 – 11 Avenue SW
Venison stew and cloud berry bannock are yours for the making (and tasting)! Explore Indigenous culture, climate change, and food security with the Arctic Institute of North America.
Tickets: $110

**HACK THE FLYER**
East Village River Walk
Check out the engineering moxie of misfit teams who’ve Frankensteined the iconic red Radio Flyer wagon to be racing machines.
Free

Photo: Justin Lee
SUNDAY

CANADIAN MUSEUM OF MAKING TOUR

11:00 am and 1:00 pm, Museum of Making. Directions sent upon registration

You may have heard whispers of a gem of a museum tucked underground in the foothills outside Cochrane. Be among the few to visit this machinery museum.

Tickets: Free. Register online

BRIX N’ BLOX LEGO FAN EXPO

11:00 am – 6:00 pm, Chinese Cultural Centre, 197 – 1 St SW

The gateway to creativity! Check out a full day of builders contests and themed activities courtesy of the Southern Alberta LEGO Users Group.

Admission: $5 online and at the door

COFFEE IN PARTS PER MILLION

1:00 – 3:00 pm, Phil & Sebastian Coffee Roasters, Simmons Building Roasting Room, 618 Confluence Way SE

A delicious cup of coffee comes all boils down to water. Learn how small changes in water chemistry affect a flavourful cup of joe. Led by chemist Stephen McNeil and Phil & Sebastian co-founder Phil Robertson.

Tickets: $60

GALLERIES OF ENGINEERED ART

Take yourself on a self-guided art tour or stop by one of these galleries when you are out on one of your Beakerhead forays.

Visit www.beakerhead.com for individual exhibition hours

| BEE KINGDOM’S INFLATABLE SPACE INVASION | September 13-17 TELUS Spark, 220 St. George’s Drive NE |
| CAMPUS COLLISIONS | September 13-14, 9 am – 4:00 pm Taylor Digital Family Library and Nickle Gallery, 410 University Ct NW |
| PICTURING THE PAST: FOSSILS IN ART | September 13-24, 10 am – 4:00 pm Taylor Institute for Teaching and Learning, 434 Collegiate Boulevard NW |
| DIANE LANDRY, SOLO EXHIBITION | September 15 – 17, 11 am – 6:00 pm VivianeArt, 1114 – 11 Ave SW |
| METAMORPHOSIS | September 7 - October 7 Tuesday to Friday, 11 am to pm Saturdays, 11 am to 5 pm Herringer Kiss Gallery, 709A – 11 Ave SW |
BEAKERHEAD IS POWERED BY A MASSIVE BATTERY PACK

Academy of VR
Alberta College of Art + Design
Alberta Electronic Music Conference
Alex Community Food Centre
Ammolite Biomodels
Arctic Institute of North America
Armour Equipment
Art Felt Studio
Arts Commons
Arusha Centre
ATCO Blue Flame Kitchen
Banded Peak Brewing
Banff Centre for Arts and Creativity
Barron Tattoo
Bass Bus
Beatdrop
Beau’s Brewery
Bee Kingdom Glass
Big Rock Brewery
Biopod
Bleeding Art Industries
Boston Consulting Group
BowWave Project Team
Brewsters Brewing Company
Bricks Wine Company
Brix n’ Blox
Burger 320
Calgary Board of Education
Calgary Catholic School District
Calgary Maker Faire
Calgary Party 50
Calgary Public Library Foundation
Calgary Stampede NexGen Committee
Camera Store
Canadian Museum of Making
Canadian School Presenters
Ceco Poles and Structures Inc.
Chapter One Day Care
Charbar
Charcut
ChicGeek
Cisco
City of Calgary Cold Garden Cookbook Company Co.
Creos
Crystal Services
CS Design Inc.
Cumming School of Medicine
Cybermentor
DAVIDsTEA
Dawn Food Products Canada Limited
Deaf and Hear Alberta
Denise Abraham, Cat Wrangler
EconoUS
EGP Group
EMMEDIA
Filthy Luker
FIRST Robotics Western Canada
Flaming Lotus Girls Fridge Gallery, ACAD
Générique Design
Ghost River Theatre
Girls Learning Code
GlobalFest
Greyscreen
Herringer Kiss Gallery
Hip Image
Hotchkiss Brain Institute
Humble Wonder Theatre
IdeaMosaic
Illuminated Engineering Society
Innovate Calgary
International Play Association
Jasper Dark Sky Festival
JB Music Therapy
Joel Adria Technical Services
Kent of Inglewood
Kin + Pod
Knifewear
Last Best Brewing and Distilling
Lateral Office
League of Extraordinary Albertans
Light Up the World
Loft 112
Lokey
Millstreet Brewery
Mitch Kern & the Camera Obscura
Mitchell Akiyama
Mount Royal University National Music Centre
Nickle Galleries
Nuit Blanche Edmonton
Neurotrauma
O2 Planning + Design
Otafest
Parer Studio
Partenariat du Quartier des Spectacles
Partners in Research
Perry Lang Custom Rayguns & Furniture
Petri Dish Picasso
Phil & Sebastian Coffee Roasters
Pips Board Game Cafe
Play Ambassadors
Prairie Storm Chasers
Print Your Mind 3D/Enviromakers
Pro FX Inc.
Progressive Foods
Quickdraw Animation Society
Read Jones Christoffersen Ltd
Red Shed Malting
Dr. Reg Crowshoe
Revolution Winter
Rings of Reconciliation
Rob Swiderski
Robocut Studio
RobotShop
Romy Dupal-Demers and Alex McNeil, Agility Trainers
Roots 2 STEM
Rothney Astrophysical Observatory
Schulich Off-Road
Science Buskers - Dr. Darren Markland & Dr. Raj Bhardwaj
Skybeings
Snyder Institute for Chronic Pain
Southern Alberta Institute of Technology
Spin Master Ltd.
Spiritus Chamber Choir
Schulich Off-Road
Sponsor Energy Steam Whistle Brewing
Steampunk Arts & Science Society
Studio C
Supernova Circus
Taylor Digital Family Library
TELUS Spark
The Dandy Brewing Company
The Locked Room
The PRGM
Theoretically Brewing
Tool Shed Brewing Company
Trolley 5 Brewery
UFCW 401
University of Alberta Augustana Campus
University of British Columbia Okanagan
University of Calgary Biological Science Department
University of Calgary Department of Anthropology and Archaeology
University of Calgary Kinesiology Department
University of Calgary Scholars College
University of Calgary Schulich School of Engineering
Vertigo Theatre
Victoria Park BIA Village Brewery
VivianeArt
Weaselhead Preservation Society
Wordfest
Workshop Kitchen + Culture
WP Puppet Theatre
SPECTACULAR THANKS TO 2017 SUPPORTERS