

When I grow up...



CONTENTS

JIM GRAY: A PASSION FOR THE FUTURE FROM HUMBLE BEGINNINGS	3
CANADA'S SUCCESS IN 21ST CENTURY LEARNING	5
LETTER FROM CEO AND BOARD CHAIR	8
AJ NOLAN: THE POSSIBILITIES ARE ENDLESS	9
HIGHLIGHTS	11
AWARDS	12
NICOLE LAMBOO: ENGAGING STUDENTS WITH LEARNING	13
PROGRAMS : WONDERVILLE & IGNITION PACK	15
STEPHANIE CHAN: LEADING THE WAY WITH EMPOWERMENT AND COLLABORATION	17
PROGRAMS : EDACITY & SANOFI BIOGENIUS CANADA CHALLENGE	19
BRENT BAWEL: AN UNEXPECTED CAREER INSPIRING STUDENTS	21
MINDFUEL REACH	23
COMMUNITY ENGAGEMENT	25
BOARD AND STAFF LISTING	26
SUPPORTERS	27



A PASSION FOR THE FUTURE FROM HUMBLE BEGINNINGS



I grew up on a gold mining property in northern Ontario. I walked by the assay office everyday and would often stop in to talk to the mineralogists as they tested the amount of gold in the rocks. That's when I became interested in geology - in the chemistry and science of rocks. I was very interested in the relationship between geology and present-day geography - shale and carbonates, igneous rocks, metamorphic rocks. I was also interested in sedimentary rocks and oil and gas so I went to UBC where I could study both. I moved to Calgary and fell in love with the oil & gas industry, through the portal of geology. I loved the business of explaining the geology and the science... explaining the risk. The sciences are so integrally associated with energy and food and climate. Everything we do is touched with science. Innovation is a huge necessity for how we can compete and how we can attract the best people to do the best research and create jobs and grow the economy. Science, to a great extent, is key to our progress. It's fun, dynamic and changing everyday. We never stop learning. Innovation is happening with increasing speed. We haven't even touched on what is left to discover. What we did in the last 25 years will pale in comparison to what is to come in the next 25.

- James (Jim) Gray, O.C., A.O.E., Founding and Honourary Chair, MindFuel

BUILDING OUR FUTURE - 21ST CENTURY LEARNING AND STEM EDUCATION

Twenty five years ago, community leaders were concerned about Alberta's ability to compete in a global economy based on achievements in science and technology. They predicted a serious shortage of knowledge workers in critical employment fields. The result was that MindFuel was founded as a 'provincial science centre without walls.'

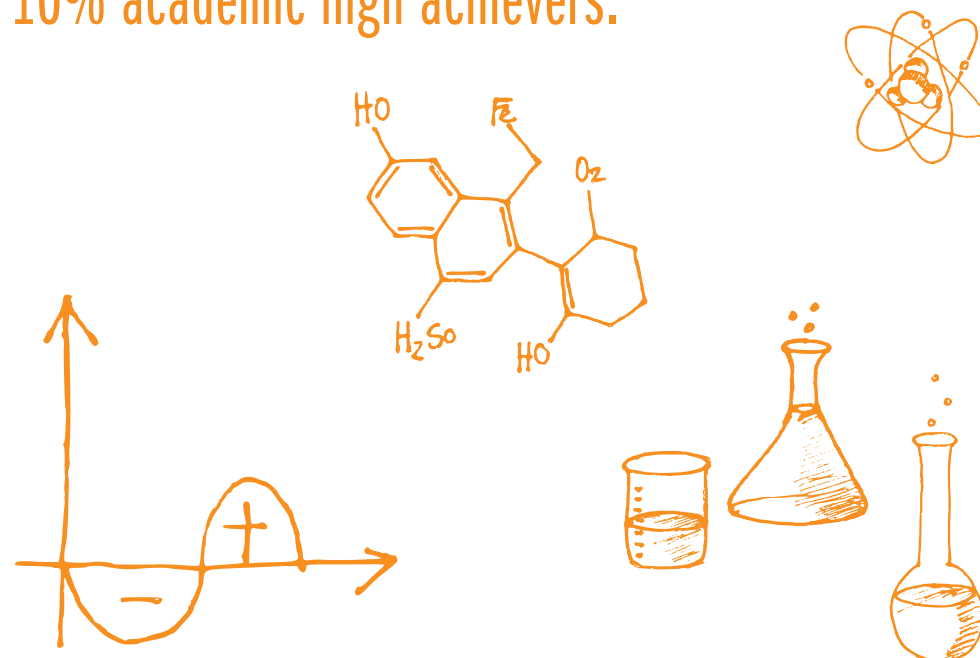
21st century student needs are changing. Today's students are digitally literate, creative, innovative and globally aware. As they grow, they will require competency in critical thinking, personal management, social responsibility, decision-making and leadership skills. Science, technology, engineering and math (STEM) are no longer the domains of the 10% academic high achievers, rather, science, technology and innovation underpin and animate virtually every aspect of modern life, driving economic growth and prosperity and fueling advances that enhance health, environmental and social wellbeing.¹ This will only be achieved if we, as a society, province and nation adopt a culture of science where STEM skills are developed in our population, the public is knowledgeable and engaged in the science of their everyday lives, and they possess a healthy and inquisitive attitude towards STEM.

A 2010 survey of Canadian students² showed that youth understand the importance of science and technology to Canada's future, but that their personal interest in science and interest in pursuing scientific careers drops over the course of their schooling. A staggering 55% of all respondents cited that science is boring. In addition, a 2012 Canadian House of Commons report, "Labour and Skills Shortages in Canada: Addressing Current and Future Challenges," stated industries that employ large numbers of STEM workers will be hit hard by the shortage of STEM workers. This shortage of workers will affect our ability to compete in a global marketplace.

How can we change this?

STEM is the key to creating innovative solutions to address growing world problems and unlocking the future for Alberta, Canada and the world. In recent pan-Canadian and global studies, results show that Canada, and Alberta in particular, are performing well in STEM areas.

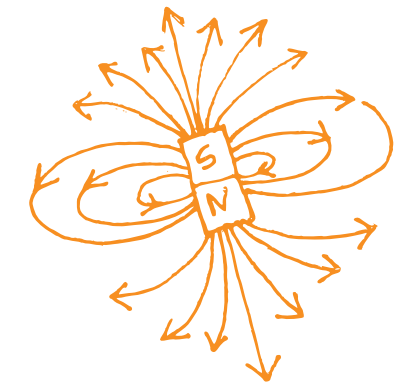
Science, Technology, Engineering and Math are no longer the domains of the 10% academic high achievers.



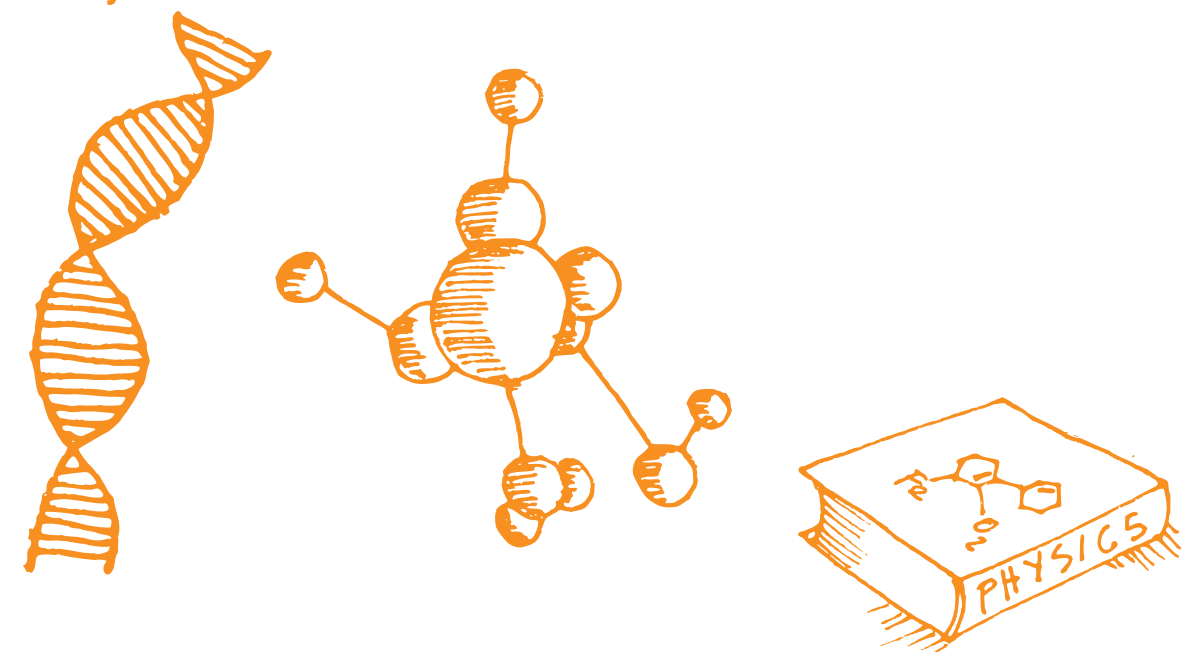
The Council of Education Ministers, Canada (CMEC) commissioned a 2013 study of 32,000 grade 8 students across Canada's 10 provinces. The study measured achievements in three competencies--science inquiry, problem solving, and scientific reasoning; four subdomains--nature of science, life science, physical science and Earth science; and attitudes about science and its role in society.

The results showed 91% of students achieved the expected level of performance for their grade level and almost 50% achieved higher than expected, with Alberta leading at 56% and Ontario coming in at 53%.³

Sixty-five countries participated in the latest PISA study (2012), with an average of 5,000 - 10,000 15-year old students participating per country. In Canada, over 21,000 students from approximately 900 schools participated. The larger number was to ensure adequate representation across provinces.



Canada is performing well in STEM areas and Alberta is leading the way in science.



Canada continues to perform well internationally in reading and science. It scored well above the OECD average and is outperformed by only seven countries in science among the 65 countries that participated in PISA 2012. Among the provinces, students in Nova Scotia, Quebec, Ontario, Saskatchewan, Alberta, and British Columbia performed above the OECD average in both reading and science.⁴

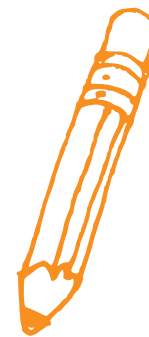
This tells us that we are doing many things right. As a province, we are meeting the needs of learners and continually giving them more opportunities and resources to pursue STEM education and careers. As a country, we are ensuring that we remain competitive internationally and creating some of the most educated and skilled workers in the world.

But we can't stop there. In the coming years, it is expected that STEM shortages will continue – it's our goal and mission to ensure that we are part of the solution by building a stronger, resilient and diverse economy that will rise to meet the needs of the 21st century.



Canada ranks 8th amongst the 65 OECD participating countries.

In the coming years, MindFuel, our partners and all Canadians will continue to rise to the challenges of educating our next generation of global citizens.



1 Science, Technology and Innovation Council report, 2012 State of the Nation: Canada's Science, Technology and Innovation System
2 Ipsos Reid, Canadian Youth Science Monitor
3 <http://www.cmec.ca/docs/pcap/pcap2013/PCAP-2013-Highlights-EN.pdf>
4 http://cmec.ca/Publications/Lists/Publications/Attachments/318/PISA2012_CanadianReport_EN_Web.pdf

LETTER FROM CEO AND BOARD CHAIR

What do you want to be when you grow up? It's a question that everyone is asked during their childhood years. Each generation strives to make a difference in the world and today's youth is no exception. Tomorrow's leaders will take inspiration from what they learn today. Our team at MindFuel™ is committed to being part of their journeys.

This past year, MindFuel has grown exponentially – we've celebrated 25 years of inspiring students in STEM, revamped Wonderville™ to better meet the needs of learners and educators around the world, engaged more classrooms with Ignition Pack™, and expanded our Edacity™ program with resources that focus on innovation and entrepreneurship.

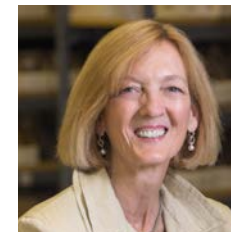
Our programs have also experienced significant growth. Wonderville has made major inroads into new markets trialling a new, robust product offering, created Francophone versions of over 100 resources to better serve our Canadian Francophone audiences, and reached just under 11 million eager learners, explorers, educators and parents. Ignition Pack continues to be a favourite teacher resource with the Grade 5 Wetland Ecosystems pack distributed to over 19 classrooms. We continued the development of the Grade 7 Interactions and Ecosystems kit culminating in extensive user testing and positive feedback. Based on teacher surveys and feedback, Edacity has evolved to address the critical need for learning focused on evolving the entrepreneurial spirit in students. Over 58 resources, bundled as three for-credit course resources, were created and piloted in select schools in Alberta in 2014-15.

We can see how much MindFuel has “grown up” over the course of its 25 years of engaging youth. We look forward to continuing to evolve as an organization, keeping our eyes on the long-term goals of sustainability, furthering international engagement and program growth to continue to engage youth of all ages in science resources that will inspire their passion for learning.

As we look toward the future, the MindFuel team has turned its focus to creating a path towards sustainability. With global reach and year-over-year growth of 25% usage by educators, our Wonderville platform was the most obvious to assess for future development. Over the past year, the MindFuel team has spoken with educators, parents and students in our power geographies – Alberta, Ontario, Texas and California – to determine the functionality that would most enhance their online experience. Based on feedback, the team has been developing a new version of Wonderville – internally referred to as Wonderville 2.0 – and piloting it with educators in our power centres. Development and iterative pilot testing is expected to continue through the fall 2015, with an initial product release slated for 2016.

We would like to thank and acknowledge our stakeholders, Board of Directors and community partners who help us make these amazing things possible. With their passion and support, MindFuel will continue to lead the way in science education and literacy.

As we head into the 2015-2016 year we continue to value curiosity and imagination and hope to inspire youth to continue to learn “what they want to be when they grow up!”



Nancy Laird
Board Chair



Cassy Weber
CEO



THE POSSIBILITIES ARE ENDLESS

I like playing video games. I'm good at them. I even researched behind the scenes of how the games are made. It sparks my curiosity about how the games work and computer design in general. I also like using my computer. I'm good at that, too. I like building things. Like the bridge I built when I was in grade three. I liked it so much, I did it again and again until I got it to bear 1500 g - three times the minimum weight! I like math because it challenges my brain. I like science, and forensic investigation and I really like doing experiments. I guess that's why I like Wonderville so much. Wonderville and Ignition Packs make it so fun to learn. The machines and levers Ignition Pack was so hands-on I had a blast completing it. And the on-line experiments on Wonderville are cool as well. What do I want to be when I grow up? I'm not sure. Maybe I'll invent something that makes food and water rain from the sky so everyone in the world has all the food they need. Or maybe I'll come up with something you can shoot into the sky and it would spread medicine to all the sick people below. Or maybe nanobots. I like them. I'll weigh the positives and negatives so advancement in one area doesn't cause destruction in another. So, who knows what I'll be? All I do know is that the possibilities are endless.

- AJ Nolan, Wonderville user, Age 11, Grade 6

HIGHLIGHTS

25TH ANNIVERSARY

On June 26th, 2014 MindFuel held a celebration to honour the extraordinary individuals who have made MindFuel what it is today. It is because of their accomplishments in the first 20 years that we have been able to deliver award-winning programs that ignite curiosity, imagination, critical thinking and a passion for science in school aged children and youth.



Barb Conkie (Past Chair); Ms. Sandra Jansen, MLA Calgary North West; Ms. Alanna DeLong, MLA Calgary-Bow, Associate Minister Family and Community Safety; Cassy Weber (CEO); The Honourable Dave Hancock, Interim Premier of Alberta - Community Initiatives cheque presentation



MindFuel's 25th Celebration Attendees



Guests of Honour - Ms. Alanna DeLong, Cassy Weber, Anne Tingle, Dr. Arlene Ponting, Jim Gray, Alan Moon

MINDFUEL SCHOLARSHIPS

Scholarships in the names of James (Jim) Gray, Anne Tingle and Dr. Arlene Ponting were unveiled at the MindFuel 25th celebration. Each individual - whether as founder or past CEO - embodies our core value of sparking a passion for science for the youth in all of us.

As with the individuals in whose names these awards are dedicated, applicants were chosen based on their STEM post secondary interests, community service, ability to convey their passion for science and how they envision making the world a better place through their continued post secondary studies in STEM.

We are excited to announce the first three recipients of the scholarship awards.

JAMES (JIM) GRAY SCHOLARSHIP \$5,000

Mary Toni Dimaano, Archbishop O'Leary High School, Edmonton Pursuing a Bachelors of Medical Laboratory Science at the University of Alberta

ANNE TINGLE SCHOLARSHIP \$2,500

Sarah Penney, St. Joseph Catholic High School, Grande Prairie Pursuing a Bachelors of Science and Education - combined degree at the University of Alberta

DR. ARLENE PONTING SCHOLARSHIP \$2,500

Jyllena Wilke, Morinville Community High School, Morinville Pursuing an Honours, Bachelors of Neuroscience at the University of Alberta



James (Jim) Gray, Anne Tingle and Dr. Arlene Ponting unveiling MindFuel's scholarship program

AWARDS

ASTECH AWARDS

On October 24th, 2014 MindFuel's Wonderville program was recognized at the ASTech awards for Public Awareness Excellence in Science and Technology. Wonderville seeks to unlock the potential for youth to explore the world of science through a variety of interactive activities, engaging games and award-winning videos.

The ASTech Awards were first presented in 1990 and has since recognized 10 to 15 individuals or groups annually for their outstanding contributions to science and innovation in Alberta. Winners are recognized across research, development, commercial and industry - truly the best and the brightest! Each award nomination is rigorously judged by a panel of industry experts to ensure that only the most innovative and outstanding of the year make the cut. It's truly an honour to be recognized among such a talented group of professionals.

WEBBY AWARDS

MindFuel's Wonderville program was honoured as a finalist for the Webby awards—the 'Oscars of the Internet'—in the Education category. Nominated as one of the top five education websites in the world alongside other prestigious nominees such as TED-Ed, it was clear that Wonderville.ca is amongst the best of the best in education on the web.

While we did not win the Webby award, being a finalist is a distinguished achievement. With nearly 13,000 entries from all 50 US states and over 60 countries worldwide, the 19th Annual Webby Awards is the biggest of its kind and continues to be the leading international award honouring excellence on the Internet.

2014 BESSIE AWARDS

Wonderville was also recognized for a Bessie Award in 2014 for the Best Middle School Science Inquiry Website. The Bessie Awards recognise innovative and content-rich programs and websites that provide parents and teachers with the technology to foster educational excellence. This is the second time Wonderville has been honoured with a Bessie for its innovative approach to digital learning and excellence in the online space.



Cassy Weber accepting the ASTech Award for Excellence in Science and Technology Public Awareness





ENGAGING STUDENTS WITH LEARNING

I'm not sure what made me want to be a teacher. Maybe it was the day one of my own teachers brought a large assortment of organisms in specimen jars for us to examine. Frogs, baby ducks, starfish; a whole array of animals floating in jars. I loved seeing the differences and realizing how diverse the world can be. Or maybe it was another one of my teachers who felt that seeing is believing. He would not just have us study the problem in a book, rather he'd have us get involved in the real world uses of science. Laser and other demonstrations were a common occurrence in his class. Whatever it was, I can tell you I love what I do. I love reinforcing the passion my students have. I love the "oooooooooh moment." I love it when kids get it. I love when they are engaged. I love when they ask questions and I love when the explanation brings out the concept of what science is. That's why I like being involved with MindFuel and their Ignition Packs. Whether it's the Heat and Temperature pack with my grade eights or being an ecologist for a day with my grade sevens, MindFuel helps me do what I like doing best.

- Nicole Lamboo, STEM Learning Leader, Calgary Board of Education

WONDERVILLE

At MindFuel we believe that a spark of curiosity can change the world. Wonderville (www.wonderville.ca) is an online hub filled to the brim with science activities, games, videos, experiments and careers for grades K-12, just waiting to ignite someone's imagination. By presenting science materials in engaging and unique ways, Wonderville breaks down the barriers students can experience and makes learning science fun! With 250+ resources, Wonderville delivers millions of learning experiences each year.

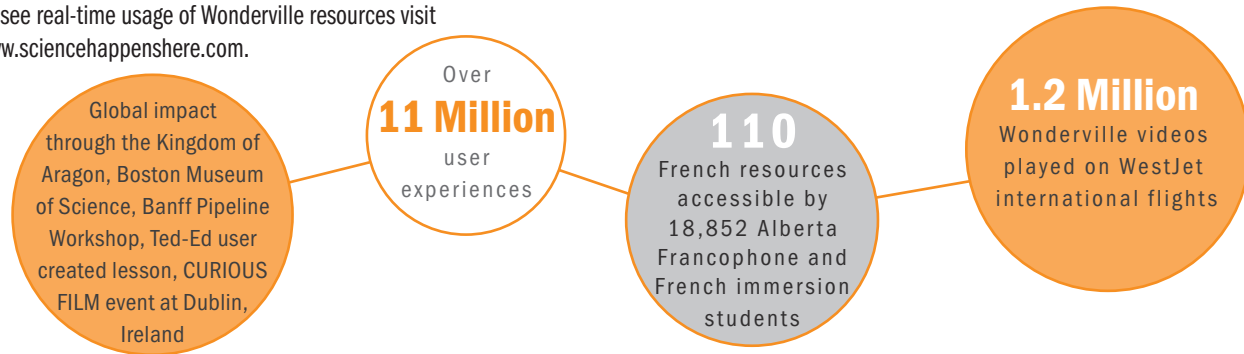
In 2014-15 the Wonderville team accomplished some amazing things. We launched the French Wonderville website (fr.wonderville.ca) showcasing over 110 resources. The result of our initial efforts to convert Wonderville resources into French demonstrates our continued commitment to make STEM resources available to all Canadians.

In addition, Wonderville.ca underwent a massive redesign, updating the user interface and improving the search functionality for better access by our teacher, youth and parent audiences. Additionally, the EverWonder™ blog was established to keep users up to date on the latest and greatest in the science world. Because we recognize that science happens in the everyday, our blog focuses on current real-world issues and, where possible, creates ties with Wonderville resources that help bring relevance to our younger audience. Wonderville also conducted two major pilots in the fall and spring in the US and Canada - an exciting time for relationship building and establishing new connections with teachers and administrators. Teachers participated in testing new functionality that evolves Wonderville from a content library to a digital learning platform, which we call Wonderville 2.0, that helps teachers tackle science education in effective ways. The pilots provided valuable insights into new Wonderville functions and features, which ultimately ensure we continue to evolve in ways that are valuable to teachers, and meet the growing need for flexible, personalized STEM education resources for the 21st century classroom. Stay-tuned for exciting Wonderville 2.0 sneak peeks in the coming months!



www.Wonderville.ca homepage

To see real-time usage of Wonderville resources visit www.sciencehappenshere.com.



IGNITION PACK

Ignition Pack, a permanent classroom resource, transforms classroom teaching by combining the best of 21st century learning, hands-on resources and digital components. Each Ignition Pack contains the resources educators need to teach a full unit of science - over 40 resources and 25 hours of teaching material - for grades 4-9. Instead of following along with textbooks or ritualized learning, students engage with subject matter through exploration, experimentation and questioning.

Students have always been inherently curious, asking questions and seeking to understand the world around them. Traditional teaching has shown students what others have accomplished, explored and unearthed, focusing on outcomes that are already known. Ignition Pack models instruction that asks students to interact with hands-on science, allowing them to discover and explore the world around them through their own observations. This process not only encourages creativity and critical thinking but also allows students to develop a sense of independence and autonomy that leads to higher motivation and understanding in science.

Whether someone is teaching science for the first time, or is an experienced teacher, Ignition Pack delivers resources that bring new ideas to teaching science.

This year Ignition Pack developed 65 new resources and field-tested Grade 7 Interactions and Ecosystems Pack in classrooms.



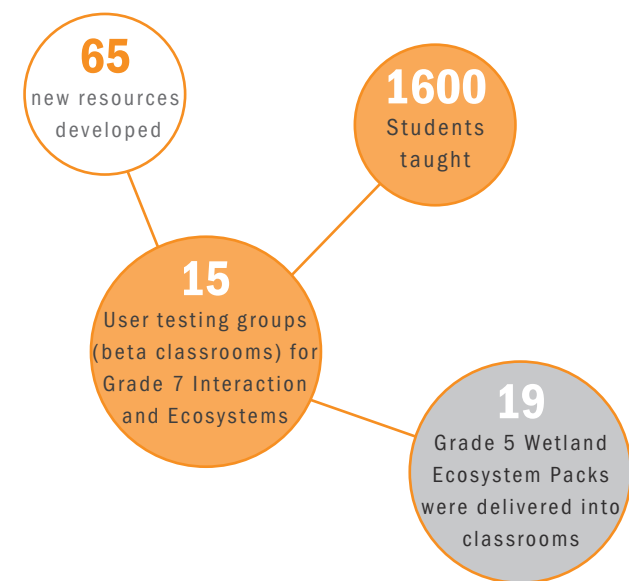
Grade 5 Wetland Ecosystems "Suck it up" activity



Grade 5 Wetland Ecosystems Ignition Pack



Grade 5 Wetland Ecosystems cumulative project "Build a Wetland"





LEADING THE WAY WITH EMPOWERMENT AND COLLABORATION

When I was really young my parents took me to the Royal Tyrrell Museum. I remember how imposing and spectacular all of the massive dinosaurs were. It made me think of how much the world had changed since they roamed the Earth. It raised a lot of questions. I remember asking, “Why did they die?” and “Why this?” and “Why that?” I think that’s when the seed was planted. My passion for science and my career as an educator always led to a lot of whys. I think that’s the reason I enjoy doing what I do for a living so much. Helping students answer their own everyday whys through science, innovation and entrepreneurship is what makes me feel so self-satisfied. That’s why I love the Edacity program so much. It’s about empowerment and collaboration. It’s about applying knowledge in the real world, not just learning facts. It’s about new discoveries, knowledge and creative STEM concepts that help Edacity users realize a more collaborative program path. I get excited watching Edacity students explore and create value by applying STEM concepts, and face challenges and questions with answers that are extremely rewarding.

- Stephanie Chan, Innovation & Learning Technology, Calgary Board of Education

EDACITY

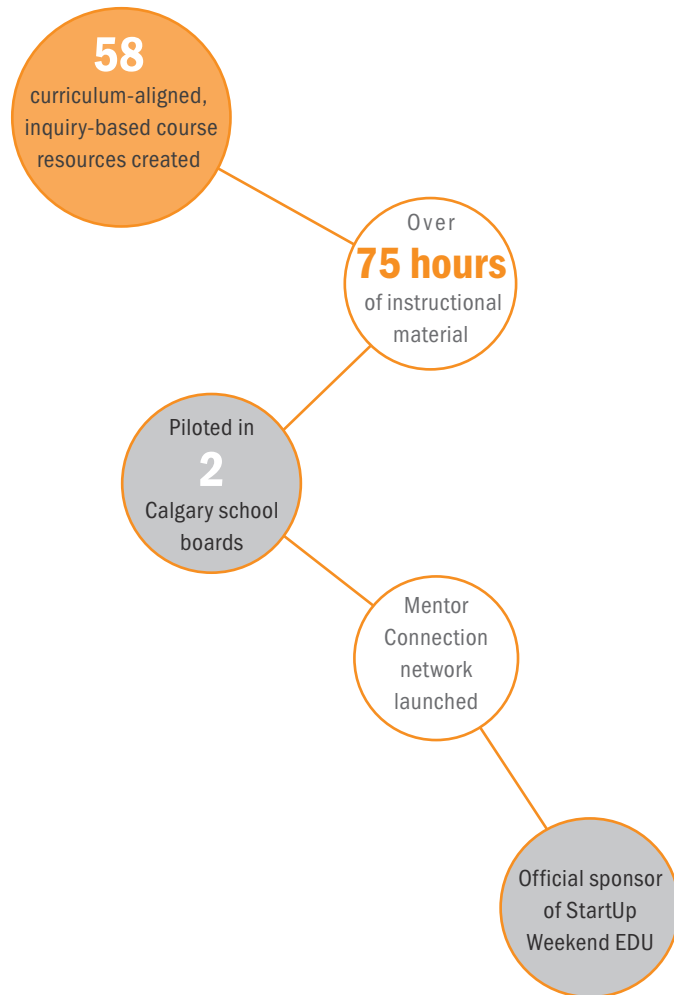
In September 2014, we conducted a survey of Alberta students, teachers and school administrators to understand their perceived need for entrepreneurial programming in schools. 86% of high school teachers and 100% of administrators identified a need for entrepreneurial courses, resources and programming. 75% of students identified an interest in taking a STEM-based entrepreneurial course.

Based on these results and an environmental scan of the entrepreneurial education landscape, Edacity launched a new program called Young Entrepreneurs' Bootcamp that focuses on engaging high school youth in the exciting world of innovation. Edacity is now MindFuel's hub for teaching excellence in Entrepreneurialism and STEM. MindFuel collaborated with Mount Royal University, Alberta Innovates - Technology Futures, geekStarter, Innovate Calgary, TEC Edmonton and Partners in Research to refine the framework and guiding principals of the program.

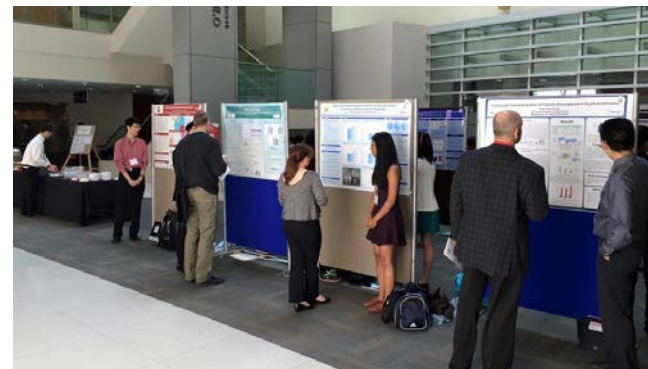
The result is over 58 resources, originally crafted for grade 10 - 12 teachers and their students. Currently, the resources are bundled to deliver for-credit course materials - Dream It!, Build It!, Expand It! - that teachers in select Alberta public and separate schools have piloted during the 2014-15 school year. In addition to the course resources, the Edacity team introduced Mentor Connections - the opportunity for experienced community-based mentors to connect and interact directly with students.

To us, entrepreneurship is far more than just opening up a shop or selling a product. It's a whole way of thinking - it's seeing the problems in the world and coming up with unique solutions. It's thinking critically about science and society, and it's challenging the status quo. We focus on breaking down the barriers that prevent high school students from embracing these fields and make it our mission to foster a belief that we can all innovate.

Future pilots are planned for Alberta, Ontario and California with the addition of extracurricular delivery in the near future.



Sanofi Biogenius Challenge judges, competitors and mentors



Sanofi Biogenius Challenge poster presentations

SANOFI BIOGENIUS CANADA CHALLENGE

MindFuel was selected as the Alberta regional coordinator for the Sanofi Biogenius Canada (SBC) international science research competition. The competition, which is open to high school students, has helped over 4,000 young Canadians pursue real-world, cutting-edge scientific research. Previous SBC alumni have gone on to develop new technology, start-up companies and dramatically change our world for the better. The 2012 national winner, Janelle Tam, was the first to show that Nanocrystalline Cellulose, the tiny particles that make up the woody material in trees, is a powerful antioxidant with many unique properties. The 2011 winner, Marshal Zhang, invented an amazing drug cocktail that may one day help treat cystic fibrosis, a genetic disorder that affects the lungs and digestive system.

MindFuel attracted submissions from 37 students throughout Alberta, and advanced 30 students to the final competition, doubling the 2013-14 submission number and exceeding all other regions in Canada for the current year.

The winner of this year's Alberta competition was Patricia Yan, a 17-year-old grade 12 student from Harry Ainlay High School in Edmonton. She is committed to bringing positive change to the world as identified by her project where she developed a paper device that can be used to look for antibiotic resistance and rapidly identify what drug is most effective in treating patients in clinics and hospitals.

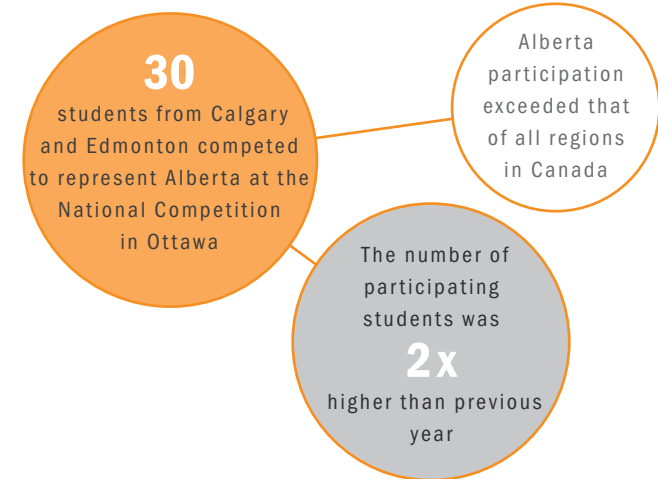
Other projects ranged from the discovery of new organisms that can clean up tailings ponds in the oil sands to new medical devices to help cure diseases. The incredible calibre of these projects truly demonstrated what high school students are capable of:

Ambika Agrawal, a Grade 12 student who won the "Most Commercially Viable Project" Award, identified five chemical compounds that very well may be the next generation of drugs against Tuberculosis.

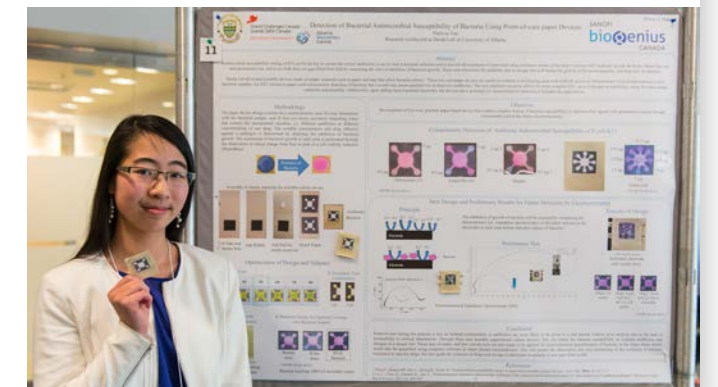
Jasmine Wang, an 11th grader from Old Scona High School took home the third place prize developing a new treatment option for those who suffer from chronic stress.

A panel of twelve experts (Dr. Aydan Dilgimen, Chris Halliday, Dr. Derrick Nolan, Dr. Dong Yan, Harleen Ghuttora, Dr. Jochen Fahr, John (Sony) Robbins, Dr. Lisa Gieg, Dr. Mayi Arcellana-Panlilio, Sanah Jowhari, Vivian Szeto and Walaa Almutawaa) from the field of biotechnology judged all projects.

Judges ranged from professors in biomedical engineering and petroleum microbiology at University of Calgary, to industrial business development experts from prominent biotechnology companies in the Calgary community. We would like to sincerely thank all of the students, mentors and judges for making the event such a success.



David Lloyd, Edacity Program Manager and Regional Coordinator for Sanofi Biogenius Challenge, Dr. Frederique Deiss, Patricia Yan, Natalia Lazic, Sanofi Pasteur Key Account Manager



2015 Alberta Sanofi Biogenius Challenge winner, Patricia Yan



AN UNEXPECTED CAREER INSPIRING STUDENTS

For my seventh birthday I remember getting a lot of gifts. I must have been good that year. My parents gave me my most favourite toys including Lego, a robotic set where I could build things that actually moved, and a little microscope that I used to spend entire afternoons looking at tiny little insects and other weird things I found in the yard. In comparison to the other toys, the microscope set may have seemed a little less entertaining but I spent more time gazing through that lens than I spent with all the others combined. Under the microscope I would imagine the insects were sick or injured and I'd have to figure out what was wrong with them. It was up to me to find solutions to bringing them back to health. I guess that's where I realized what I wanted to be when I grew up. Now that I have achieved my Masters of Forensic Science, I find it amazing that I'm working for MindFuel and Wonderville. If you had told me when I was seven that I would end up as a program manager creating science resources for kids and helping to keep them interested and engaged in science, I would not have believed it. But it's helping to create really engaging content that inspires these future scientific generations; that is one of the most rewarding aspects of my career so far.

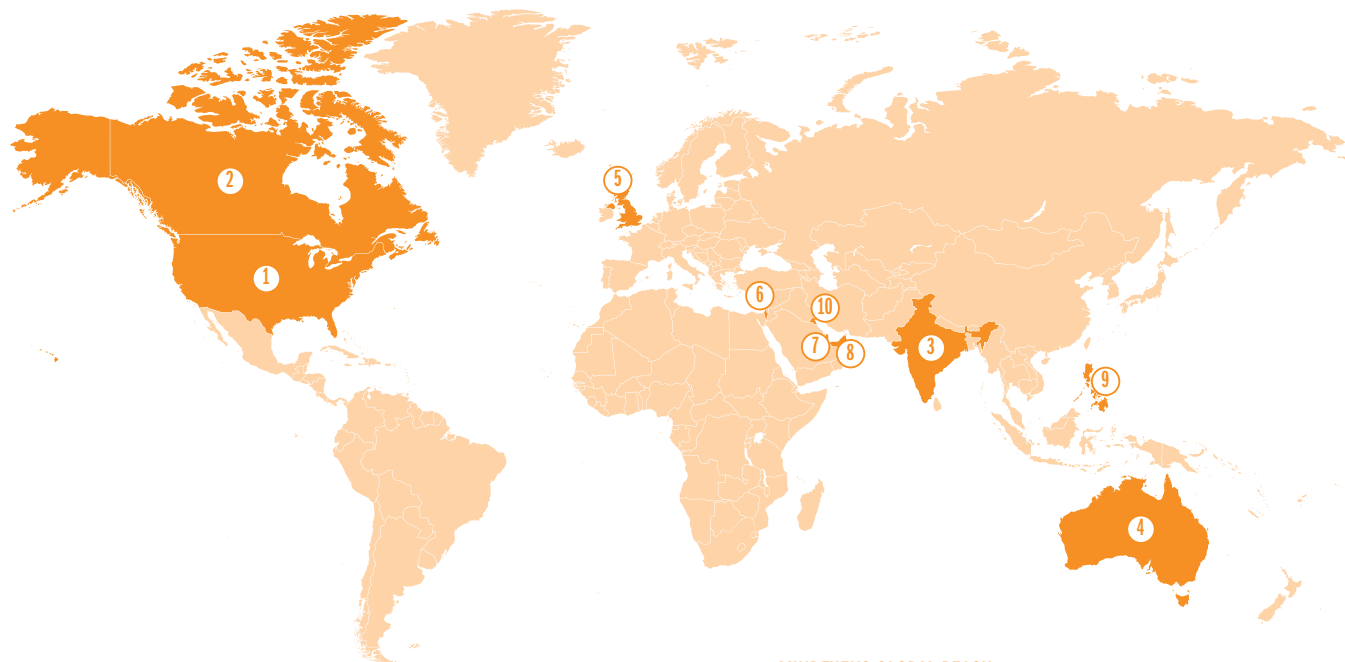
- Brent Bawel, Program Manager, Wonderville, MindFuel

MINDFUEL REACH

We don't just inspire students in Alberta and Canada, MindFuel has immense reach throughout the world. Since our inception, we have reached more than 105 million people worldwide and helped to bring science education to youth and classrooms in need of resources that support STEM teaching. In 2014-15, we reached more than 30 million eager learners online, in their classrooms, in their homes and at events. Over 12 million students, teachers and

parents experienced one of our programs resulting in over seven million learning experiences.

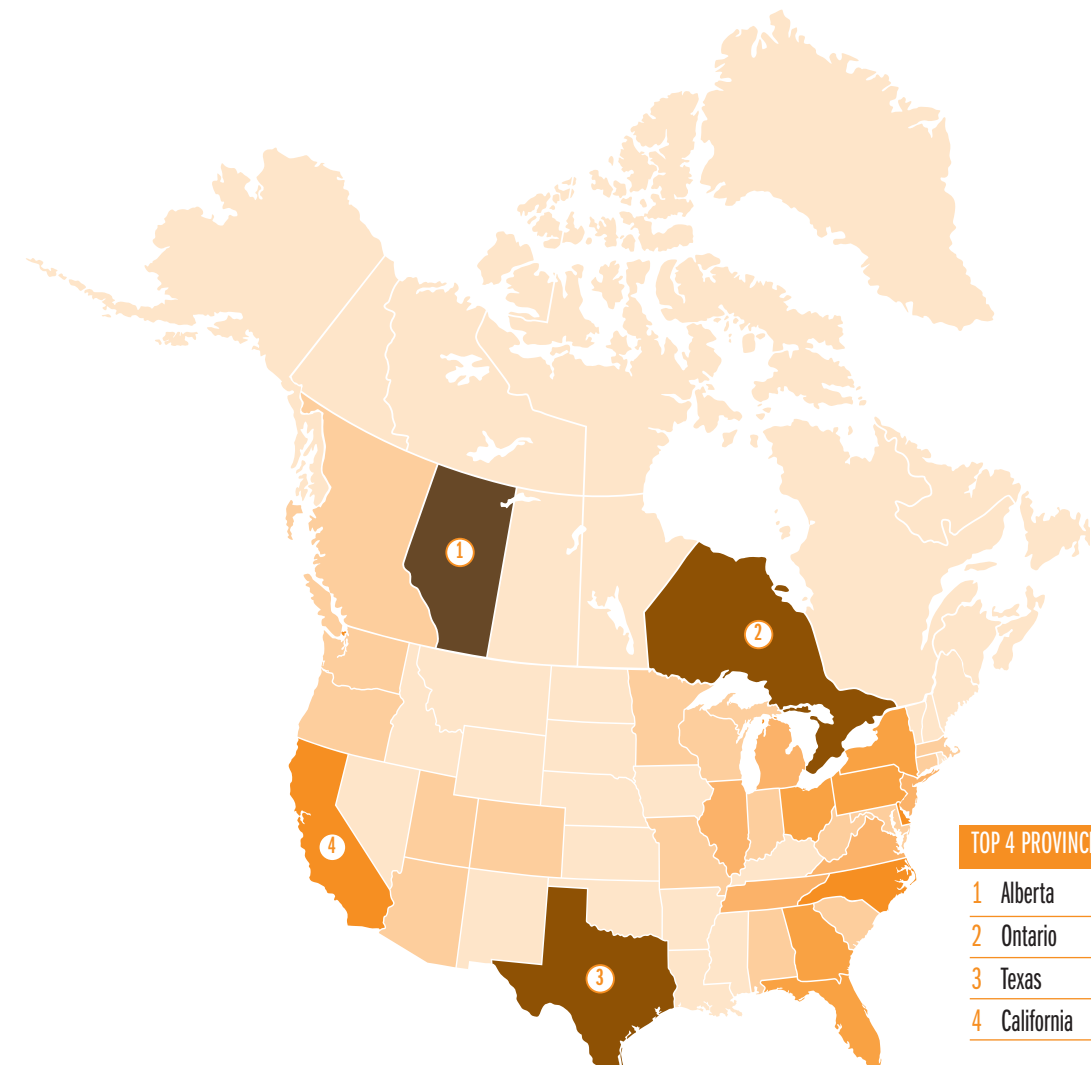
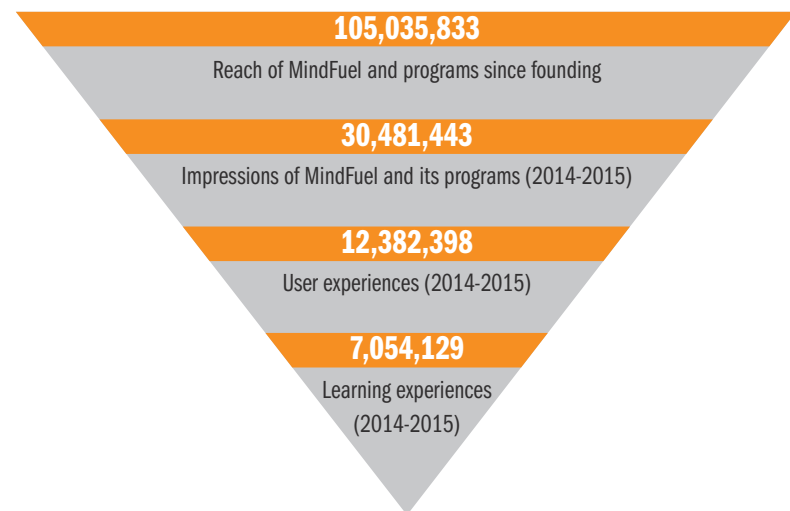
From Canada and around the world, we are helping to ensure that the next generation have the skills and knowledge necessary to be successful in the 21st century.



TOP 10 OF 190 COUNTRIES REACHED

- 1 United States
- 2 Canada
- 3 India
- 4 Australia
- 5 United Kingdom
- 6 Israel
- 7 Qatar
- 8 United Arab Emirates
- 9 Philippines
- 10 Kuwait

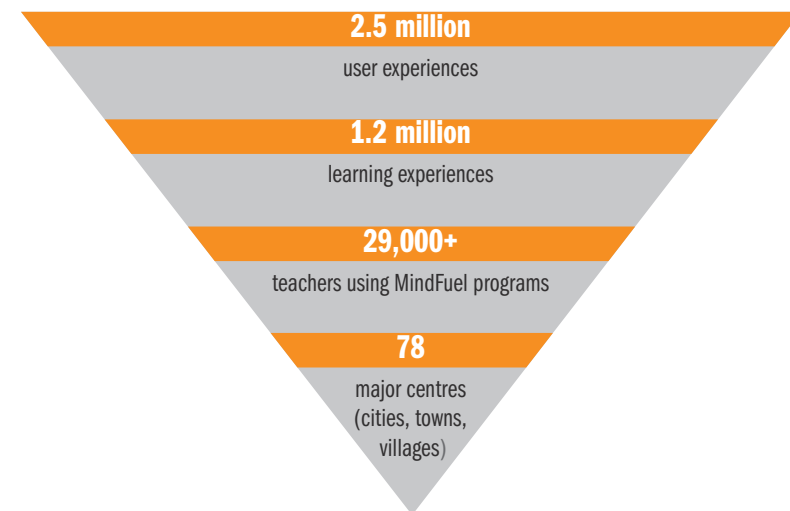
MINDFUEL'S GLOBAL REACH



TOP 4 PROVINCES OR STATES (TOTAL SESSIONS)

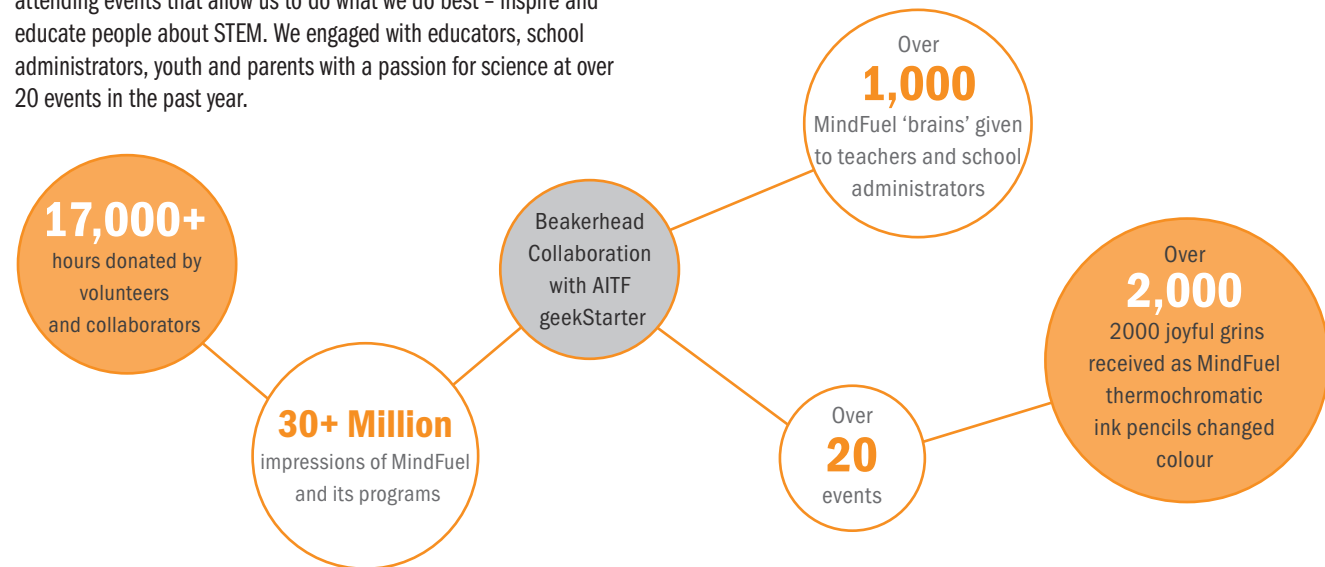
- 1 Alberta
- 2 Ontario
- 3 Texas
- 4 California

MINDFUEL'S REACH IN ALBERTA



COMMUNITY ENGAGEMENT

One of the founding principles of the organization is to be a 'science centre without walls.' MindFuel follows this principle today, attending events that allow us to do what we do best - inspire and educate people about STEM. We engaged with educators, school administrators, youth and parents with a passion for science at over 20 events in the past year.



Danita Maslankowski, MindFuel Content Development Manager and James Landsburg, Marketing and Communications Specialist at ATA Science Teachers Conference



Russ Shaw, General Manager, Microsoft Chinook, Janet Kennedy, President of Microsoft Canada, Lew Turnquist, present MindFuel Board Member, with Microsoft software grant of \$475,000



claVision and MindFuel teams collaborate at Beakerhead



MindFuel logo in florescent bacteria art at Beakerhead

STAFF MEMBERS

LEADERSHIP

Cassy Weber - Chief Executive Officer

Alma Abugov - Director, Development and Community Engagement

Gwen Cowan - Director, Finance and Administration

Margaret Glover-Campbell - Director, Programs

STAFF

Brent Bawel - Program Manager

Linda Beny - Office Manager

Brad Bill - Executive Assistant

Angie Chiang - Project Manager

Sava Knezic - Program Manager

James Landsburg - Marketing and Communications Specialist

Angus Leech - Grant Writer / Coordinator

Danita Maslankowski - Content Development Manager

Caitlin Walton - Program Manager

BOARD OF DIRECTORS

Nancy Laird - Chair of Board

Joon Chan - Secretary, Treasurer - Partner, PricewaterhouseCoopers

Cassy Weber - CEO, MindFuel

Neil Camarta - President and Co-Founder, Western Hydrogen

Barbara Conkie - President, Conkie Communications

Jamie Duncan - Vice-President, Ipsos Reid

Peter Kinash - CFO and India COO, Replicon Inc.

Dr. Paul Kubesh - Professor, University of Calgary, Faculty of Medicine

Dr. Julian Martin - Industry Consultant

Dr. Larry Payne - Battle River School Division

Robert Pockar - President and CEO, Matrix Solutions Inc.

Claudio Rodrigues - CEO, Retail Media Group

Lew Turnquist - President, Orpyx Medical Technologies Inc.

Dr. Cindi Vaselenak - Superintendent, Evergreen Catholic SRD

Ron Woodward - Owner, Clockbuilder Consulting Ltd.

Stephen Burns - Legal Counsel - Partner, Bennett Jones LLP.

James (Jim) Gray - Honorary Chair



MindFuel Staff



MindFuel Board Members

OUR SUPPORTERS

Many thanks to our dedicated funding partners and donors, including those who have remained anonymous; we would not be the organization we are without your support.

GOVERNMENT SUPPORTERS

Government of Alberta	Community Initiatives Program
Alberta Innovates-Technology Futures (AITF)	Alberta Culture and Tourism, Francophone Secretariat

TRANSFORMER - Visionary in Science Education

Enbridge Inc.	Synchrude Canada Ltd.
---------------	-----------------------

CHAMPION - Leader in Science Engagement

The Brawn Family Foundation	Nexen Energy ULC
-----------------------------	------------------

ENERGIZER - Partner in Science Education

Alberta Beverage Container Recycling Corporation (ABCRC)	ENMAX
Alberta Electric System Operator (AESO)	FortisAlberta
Alberta Beef Producers	Imperial Oil
Alberta Livestock and Meat Agency Ltd. (ALMA)	RBC Blue Water Project

COLLABORATOR - Partner in Science Learning

Alaris Royalty Corp.	Genome Alberta
Alberta Women's Science Network (AWSN)	Monsanto
geekStarter	Partners In Research (PIR)
The Calgary Foundation	Resverlogix Corp.
ConocoPhillips Canada	The Rotary Club of Calgary
	TD Friends of the Environment Foundation

GIFTS IN KIND

Bennett Jones LLP	JUMP STUDIOS
BluEra	Kerkhoff Technologies Inc.
Google	Microsoft
Government of Alberta Infrastructure	Rack Force
Hookano	SDMG
Identity Marketing	ZGM

DONORS 2014 -2015

Alma Abugov	Dr. Marvin Fritzler
Doug and Charlotte Annable	Margaret Glover-Campbell
Anonymous (3)	Peter Kinash
United Way of Calgary, Donor Choice Program, Anonymous (9)	Scott and Anne Kirker
Canada Online Giving Foundation, Anonymous	Ron Mathison
Brent Bawel	Kim McConnell
Laurel Deplaedt	Larry McNamara
Maureen Church	James Landsburg
Gwen Cowan	PricewaterhouseCoopers LLP
Cassy Weber	

MICROSOFT GRANT

On August 14th, 2014, MindFuel received a Microsoft Software Grant for \$475,000. This grant recognizes organizations that make a positive difference in their communities.

PARTNERS





MINDFUEL.CA