



2023/24

ANNUAL REPORT

A.S.T.C. SCIENCE WORLD SOCIETY



675,206	Visitors onsite
88,059	Visitors received free admission
2,788,626	Visitors online
17,213	Volunteer hours
46,344	Members

OUR MISSION

Through science and nature, we ignite wonder and empower dreams.

OUR VISION

A sustainable future filled with critical thinkers, problem solvers and wonder seekers.

OUR PURPOSE

Science For All.

Greetings, Science World community!

I'm delighted to share with you the progress and vision we've embarked on in my first year as Chair, and in our first year of our five-year strategic plan, Science For All. The renewal that's unfolding both in our physical spaces and our programming is setting us up for a bright future and driving every initiative we take on and every decision we make.

As we navigate this path, it's crucial to highlight that Science World is a non-profit, charitable organization that proudly earns its own way. Seventy-five percent of our operating funds come from the revenue we generate and our financial sustainability over decades is one of the testaments to our operational excellence. In addition, we've earned the trust of our donor and government communities, and their support allows us to amplify our outreach programming to barriered communities and maintain and rejuvenate our iconic building.

Science For All is dedicated to three themes: inclusion, regeneration, and human health. We chose these topics for a reason. Our kids are growing up in a world different from the one we knew. In the last few years, mine have been held up in Hope, BC due to floods, left the Interior due to fires, and isolated indoors due to a pandemic. These issues are on the minds of every population in the province, and focusing on them extends our relevance to the diverse

communities we serve. We envision Science World as a trusted, go-to science centre for people of all ages and all backgrounds in every region in BC.

Our commitment to inclusion goes beyond the need for equity; it's an economic imperative. By fostering diversity in STEAM education, we contribute to a talent pool that can fill high-paying jobs, drive innovation, and address complex challenges in human health and the environment. This work is not only a charitable endeavour; it's an investment in the future prosperity of our province.

On this journey of rejuvenation, with both the visible markers and the unseen, let's celebrate the impact of Science World on the Vancouver skyline! When you draw a line through a map of the city, there we are, right in the centre. Our new dome lights both enhance our physical presence and signify our role in this vibrant community. When we light up for World Alzheimer's Day, or for Christine Sinclair's last

international soccer match, or for Halloween, we show that we're committed to being a catalyst for positive change, a sustainable icon, and an enduring part of the city's heartbeat.

I extend my gratitude to each member of the Science World community, from our dedicated staff and volunteers to our engaged visitors, all levels of government, and generous supporters. Your belief in our mission drives our commitment to fostering curiosity, igniting passion, and building a future where science truly does belong to everyone.

Sincerely,

Jade Bouelle
Chair, Science World Board of Directors



Dear Science World community,

It's with great pleasure that I share with you my report on Science World's journey towards fulfilling our mission of making science accessible to all. Science World's new strategy, *Science For All*, aims to make a profound impact on British Columbia in two crucial ways. First, we aspire to spark a sense of collective responsibility among the people of BC so that they see themselves as integral parts of a larger ecosystem, empowered to champion the regeneration of our planet and advance human health. Second, we're committed to ensuring that every child in BC can access barrier-free STEAM education, thereby fostering sustainable, equitable, and innovative communities across the province.

In the inaugural year of this strategy, our Feature Exhibitions have delivered inclusive STEAM experiences to our community. *Skin: Living Armour*, *Evolving Identity*, presented by Acuitas Therapeutics, *James Cameron: Challenging the Deep*, and *Trailblazing: Women in Canada Since 1867*, also presented by Acuitas Therapeutics, have facilitated important conversations around diversity, equity, and inclusion in STEAM fields. In our programming, the dynamic *GenAction*, presented by Odium Brown, has empowered thousands of students to make personal commitments to combat climate change.

As we strive to educate and inspire on matters such as climate change, we understand the vital role of Indigenous knowledge in guiding us toward sustainable practices. Our facility is on the unceded territories of the xʷməθkʷəy̍əm (Musqueam),

Skwx̱wú7mesh (Squamish), and səilwətaʔ (Tseil-Waututh) peoples. We offer complimentary access to self-identifying Indigenous Peoples because we believe the path forward will be achieved through strong connections with all our neighbours. This initiative, as well as our ongoing collaboration with Indigenous artists through the Skwachàys Artist Showcase, acknowledges and celebrates Indigenous Ways of Knowing in STEAM education.

Through strategic infrastructure projects funded by PacifiCan via the Tourism Relief Fund (TRF) and the Province of British Columbia through a Community Economic Infrastructure Recovery (CERIP) grant, we've enhanced our facilities and expanded our outreach. Notable achievements include the construction of the Creative Technology Gallery presented by RBC and Beedie, the installation of new dome lights and

exterior lighting, and the creation of a multi-use heated outdoor classroom and facility rental space in the Ken Spencer Science Park. All projects were completed on time and within budget, thanks to the dedication of our staff and partners.

There's still so much more to do, including reopening our iconic dome theatre with cutting-edge technology and renewing key galleries. In the year ahead, we'll embark on our largest fundraising campaign in history to fund these ambitious plans. Beyond our facilities, the campaign underscores the critical need for STEAM professionals in BC's evolving economy, and highlights Science World's role in nurturing future innovators. By doubling down on our commitment to providing essential STEAM education, we aim to empower individuals to meet the challenges of our time.

As we embark on our second year of *Science For All*, I'm truly energized by the momentum we've created. My heartfelt thanks to our dedicated staff, volunteers, Members, donors, Board members, Advisory Council, and all levels of government for their unwavering support. Together, we will continue to ignite curiosity, foster innovation, and build a brighter future for all.

Sincerely,

Tracy Redies
President & CEO



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In partnership with Acuitas Therapeutics, Science World hosted the Feature Exhibition *Skin: Living Armor, Evolving Identity* from March 3 to May 29, 2023. As Acuitas Therapeutic's Chief Operating Officer Abi Coman-Walker said, the partnership provided "an entertaining and informative way to share scientific details about skin and to create opportunities for conversations around the shifting ideas of race and culture in our world." The show allowed visitors to examine keratin-based feathers, furs, and quills, touch different specimens, like snakeskin and otter fur, and gain insights into the social and scientific nature of this remarkable organ. Science World facilitators provided additional programming, delivering fun explorations of skin adaptations and activities with "fear boxes," where brave participants sensed texture, size, and shape of objects without looking through the skin of their hands.

IMPACT

178,761 Onsite visitors
3,776,530 People reached through media

SUPPORTERS

Acuitas Therapeutics

"Thanks to the exhibit, I was able to have a really meaningful discussion with my four-year-old about the construct of race that carried on for long after we left."

— Science World Visitor

This popular exhibit gave visitors goosebumps, literally! Plugging into an audio source, they listened to songs from artists like Prince, Whitney Houston, and Rachmaninoff, known for producing flexes in the tiny muscles in our skin's hair follicles.



Science World presented the immersive exhibition *James Cameron – Challenging The Deep* from June 23, 2023 to January 1, 2024. From executing solo dives in Cameron's self-built submersible the DEEPSEA CHALLENGER, to exploring the Titanic's wreckage, to creating one of the most successful films of all time, James Cameron's groundbreaking expeditions, technological innovations, and storytelling triumphs have touched the lives of millions. Hundreds of thousands of visitors explored the captivating displays and discovered how Cameron's work intersects at the junction of science, technology, engineering, art and design, and math (STEAM). Through this exhibition, we aimed to inspire visitors to imagine their own possibilities for deepening their wonder through exploring and storytelling with science and technology.

IMPACT

354,603 Onsite visitors
6,196,389 People reached through media

SUPPORTERS

Coca-Cola Canada Bottling Limited

"I have been living in Vancouver for 5 years and never took the time to visit Science World. I thought it was an activity focused mainly on kids, but my partner and I also found some attractive options for adults... James Cameron's exhibition was great."

— Science World Visitor

James Cameron – Challenging the Deep contained 14 items that have been to the deepest depths of the ocean – 10,898 metres below sea level!

“As a woman in a leadership position, I believe in the power of collaboration to break barriers and inspire positive change. I think it’s fair to say that our partnership with Science World is a commitment to amplifying intersectional and women’s stories, promoting gender equity, and fostering community access to transformative narratives.”

— Abi Coman-Walker, Chief Operating Officer, Acuitas Therapeutics



In partnership with Acuitas Therapeutics, *Trailblazing – Women in Canada* since 1867 broke barriers at Science World from June 16, 2023 to January 22, 2024. While many of the women’s stories in this exhibition fell outside of traditional STEAM fields, *Trailblazing* offered a comprehensive exploration of the challenges faced by women throughout Canadian history and invited visitors to find answers to questions like “what has it meant to be a woman in Canada throughout its 150-year history?”

Women in Canada remain drastically underrepresented in STEAM careers. Bringing *Trailblazing* to the dome allowed hundreds of thousands of learners of all genders to see stories of women from all walks of life and in all forms of careers, including scientists, technologists, engineers, artists, designers, and mathematicians.

IMPACT

403,165 Onsite visitors
23,340,489 People reached through media

SUPPORTERS

Acuitas Therapeutics

Barbara Brink— the founder, Chair, CEO and driving force behind the creation of Science World, and current member of our Advisory Council—attended the show’s opening, a full-circle moment in our history! She also helped promote the show with a fantastic radio spot: “At *Trailblazing*, you can learn about women who helped shape Canada as we know it today. Including Canada’s first woman astronaut, Roberta Bondar—who was also the first neurologist to go to space, ever. Which means a lot to me—not only as a woman—but as a founder of Science World—a place that’s all about the next generation of scientific leaders. Opening June 16. Tell them Barbara Brink sent you.”



IMPACT

269,360 Onsite visitors
9,979,711 People reached through media

SUPPORTERS

RBC
 Beedie
 Pacific Economic Development Canada
 DigiBC
 Phoenix Labs
 Creative BC and the British Columbia Arts Council
 British Columbia Arts Council

Our first new permanent gallery in six years, the *Creative Technology Gallery* is a groundbreaking space co-presented by RBC and Beedie. Since it opened on September 18, 2023, this immersive experience invites visitors to “Dream, Build, and Play” in three distinct rooms, showcasing the dynamic world of creative technology in BC. Following its debut, the gallery has captivated visitors of all ages, offering a fully immersive and interactive experience that blends science, technology, and art. Starting in the Hall of Heroes, featuring diverse artists and technologists, visitors journey through the hands-on exhibits inspired by well-known movies, animation, and video games created right here in our province. Developed in partnership with DigiBC, the gallery provides a unique glimpse into the intersection of storytelling, design, technology, and the local creative community.

“This new gallery effectively blends both education and entertainment and will undoubtedly inspire the next generation of creative technologists.”

— The Honourable Harjit S. Sajjan, Minister of Emergency Preparedness and Minister responsible for the Pacific Economic Development Agency of Canada

This gallery brings together two game development platforms, Unity and Unreal, to a scale that has never been done before. These tools interact over our powerful servers, crafting breathtaking landscapes and lifelike creatures, and provide endless possibilities for innovation and creativity!



Girls and STEAM, presented by STEMCELL Technologies, aims to dispel myths about STEAM occupations and provide girls and gender-diverse students a welcoming space to engage in STEAM-based activities, build their confidence, and pursue their passions. In March, we celebrated International Women’s Day by hosting an interactive livestream that gave students an opportunity to interact with three inspiring mentors.

In November, we welcomed hundreds of girls at the 6th annual Girls and STEAM Summit – a free, action-packed day of workshops, hands-on activities, mentor sessions, an industry showcase, and an empowering keynote presentation by local inventor Andini Makosinski. A remarkable 92% of participants reported that they learned something new, and 70% of participants expressed an increased interest in STEAM fields!

IMPACT

2,671 Public visitors to the Girls and STEAM Showcase

300 Participants to our in-person Girls and STEAM Summit

1,507 Views of our livestream

Returning keynote speaker for the Girls and STEAM Summit, Andini Makosinski, purposely wore the same shirt in 2023 as she did during her 2019 speech – a true commitment to sustainability!

SUPPORTERS

- | | |
|----------------------------------|--|
| Acuitas Therapeutics | Mott MacDonald |
| BCIT | National Sciences and Engineering Research Council of Canada (NSERC) |
| BC Hydro | Peter Kiewit Sons ULC |
| BGC Engineering Inc. | Province of British Columbia |
| Cinesite Studios | Scotiabank |
| COWI North America Ltd. | SkyBox Labs |
| Engineers and Geoscientists BC | STEMCELL Technologies |
| Fast + Epp | Webnames.ca |
| Fluor Canada Ltd. | Wells Fargo |
| Fujitsu Intelligence Technology | Wheaton Precious Metals |
| Innovate BC | Varshney Family Foundation |
| Michael Smith Health Research BC | |

“This event taught me so many things I didn’t know before. This includes physics, biology and chem I didn’t know, but also many cool jobs I didn’t know existed until today.”

— Participant, 2023 *Girls and STEAM*





The *Future Science Leaders (FSL)* program, presented by Acuitas Therapeutics, is more than an after-school science enrichment initiative; it's a truly transformative journey for teens. Designed to unleash creative potential and cultivate a lifelong network of like-minded peers, this program engages curious minds in the marvels of STEAM. Weekly sessions and many field trips are led by passionate educators, specialists, and coordinators, each contributing their expertise to foster an environment of learning and innovation. From marine biology to high-energy physics, the team reflects a diverse range of disciplines, ensuring a well-rounded and enriching experience for the students. Currently in its fourteenth year, we received more applications than ever from 174 aspiring young scientists, reaching 59 unique schools across the Lower Mainland, with our most gender diverse cohort yet.

IMPACT

- 103** Participants in our 22-23 program year
- 134** Participants in our 23-24 program year
- Between the sessions attended, they participated **2,919** times!
- 332** Adult mentors and volunteers
- 11** STEAM workplaces visited
 - 2** Large in-person field trip days visiting Amgen, Acuitas Therapeutics, QMI and TRIUMF
 - 2** In-session field trips to ICORD and the False Creek Neighbourhood Energy Utility
 - 5** Virtual field trips

In 2023, students grew yeast, E. coli, broccoli, microalgae, pond weed and bacteriophages. The average commute time from their school to Science World was 36.8 minutes. One student commuted two hours to attend *FSL!*

SUPPORTERS

- | | |
|------------------------------|--------------------------|
| Acuitas Therapeutics | RBC Foundation |
| Boeing Vancouver | Fernando Senties |
| Dana & John Montalbano | Marion Mann & Scott Shaw |
| John Murphy & Leslie Lee | STEMCELL Technologies |
| Province of British Columbia | |

"I've had the privilege of working alongside some of the most brilliant and inspiring individuals in the field and have formed lasting friendships and connections that I know will continue to serve me well for years to come. This program has been an absolute game-changer for me, providing me with the skills, knowledge, and connections I need to thrive in the world of STEAM."

— Participant, Year 2, *Future Science Leaders*





Super Science Club (SSC) inspires curiosity and empowerment for students and families across Vancouver. From delving into the science of soil to experimenting with electrical circuits, participants immerse themselves in engaging STEAM activities, fostering a deep sense of scientific inquiry and self-discovery. Partnering with the Vancouver School Board, we identify under-resourced schools that can benefit from the resources, equipment, and dedicated educators of this afterschool program. And the impact extends beyond the classroom, as families often report a newfound excitement for learning and science around the dinner table and a deep gratitude for the complimentary one-year Family Membership provided to all participants.

IMPACT

20	Schools	1,016	Attendees at Family and Winter Science Nights
780	Students engaged	617	Free Family Memberships distributed
6,027	Program touchpoints	3,703	Visits through Family Memberships!

SUPPORTERS

Acuitas Therapeutics	Methanex Corporation
BC Hydro	Province of British Columbia
Brian Radburn & Mary Sharkey	The Amir and Yasmin Virani Family Foundation
CLICK - Contributing to the Lives of Inner City Kids	Tom Frohlich & Erin Barrett
Dr. Sandy Eix & Family	Willow Grove Foundation, Dr. Andrew S. Wright & Dr. Helen Newton
John & Sally Zaplatynsky	Steward Fund, held by Vancouver Foundation



“My daughter loves being part of Super Science Club. She seems more curious and more confident. Most importantly, she seems happier to learn new things every week. Thank you for all you do!”



— Parent of Participant, *Super Science Club*

This year, we welcomed high school youth leaders who were fantastic mentors to the program participants. They helped us provide 508 hours of hands-on programming. One teacher stayed late after school for every session because she was so excited to see all the fun demonstrations!



Science World's *On The Road (OTR)* program traverses communities all over the province to spark curiosity, enhance science literacy, and fuel the aspirations of future science and technology leaders. Thanks to our generous donors, we extend our reach to remote, rural, and underserved schools outside the Lower Mainland, offering high-energy live demonstrations and educational activities and resources at no charge. Grades K–7 who may not be able to visit the dome get the opportunity to interact with our talented science performers as they discover and practice the ways scientists observe, predict, and test; experience the wonders of push, pull, lift, friction, and drag; and delve into the fascinating world of weather events within our atmosphere, featuring demonstrations like the electrifying Van de Graaff Generator. If you've ever been in the gymnasium during an *On The Road* show, you'll never forget the thrills of anticipation, the thunderous roars of awe and wonder, and the goosebumps of sudden understanding that only come with live science-in-action.

IMPACT

55	Towns
329	Schools
201	Shows
28,048	Participants

SUPPORTERS

BC Hydro	National Sciences and Engineering Research Council of Canada (NSERC)
BC Interior Community Foundation	Province of British Columbia
Drax Group	Scotiabank
Engineers and Geoscientists BC	Windsor Plywood Foundation
Gwail Engineering	



"The students were glowing after the first show!"

— Principal of Eugene Joseph School, an on-reserve, Band-operated elementary school serving the Tl'azt'en community, Northwest of Fort St. James

In 2023, our On The Road team travelled a total of 21,282 kilometres!



At Science World, our commitment to creating a diverse and inclusive STEAM community is at the forefront of our mission. Through our Community Access, Bursary and Class Field Trip programs, we strive to make science accessible to all, particularly reaching underrepresented groups such as women and girls, 2SLGBTQIA+, racialized communities, Indigenous communities, people with disabilities, refugees, newcomers to Canada, and those in rural and remote areas.

Situated on the unceded land of the x^wməθk^wəyəm (Musqueam), Sḵw̓x̓wú7mesh (Squamish), and səilwətał (Tsleil-Waututh) peoples, Science World extends a warm welcome to Indigenous communities to experience Science World at no cost. Beyond the numbers, the partnership fosters meaningful connections and discussions about Truth and Reconciliation. Collaborating with non-profit organizations, we've made strides in removing financial barriers. From the Community Access Pass (CAP) to the *Tech-Up* Showcase, presented by Amazon Canada, and Sensory-Friendly Mornings, more communities than ever are able to engage with and benefit from our programs and exhibits.

Finally, students and teachers attending underserved schools also benefit from bursaries. We're addressing systemic educational inequalities with free in-person workshops, field trips with transportation covered, and dynamic online engagements. In alignment with our purpose, Science For All, we believe that breaking down barriers and providing equitable access to diverse communities will foster a future where every individual, regardless of background, embraces the wonders of science. Together, we're building a more inclusive and nerdy tomorrow.



"The greatest satisfaction that a father can see in his son is that of amazement and fun. Thank you for making this experience educational, recreational, but above all, to be shared with the whole family regardless of age. Because adults return to being children, and a fantastic connection is created with the children."

— Participant of Community Access



IMPACT

- 625** Sensory-Friendly Mornings guests
- 88,059** Visitors received free admission to Science World

SUPPORTERS

- Amazon Canada
- Ames Family Foundation
- BC Hydro
- iA Financial Group
- The Luk Family
- Province of British Columbia
- In memory of Dr. Ken Spencer

Community Access allows people from similar communities to visit Science World together. One group told us they were able to meet and connect with other Spanish-speaking families, which enabled them to "have a blast and help each other"!



In pursuit of a digitally empowered future, *Tech-Up*, Science World's dynamic digital skills program, reaches students and teachers across BC through workshops, online sessions, and innovative programs. *Tech-Up* not only teaches coding; it fosters inclusive and hands-on learning experiences, empowering participants to hone their critical thinking and problem-solving skills that benefit them far beyond the classroom and computer. Our education specialists have developed a "coding to learn" methodology, which helps teachers integrate computational thinking across their curriculums and emphasizes the practical, everyday value of this special skill. We're shaping a future where every student is prepared for the challenges and opportunities of a technology-driven world.

In September, Science World offered free admission for its *Tech-Up* Showcase presented by Amazon Canada Future Engineer. Visitors were welcomed with hands-on activity stations to learn about coding and robot technology.

IMPACT

18,427	Students
6,708	Visitors to the Tech-Up Showcase presented by Amazon Canada
861	Workshops
53	Municipalities
87	Schools

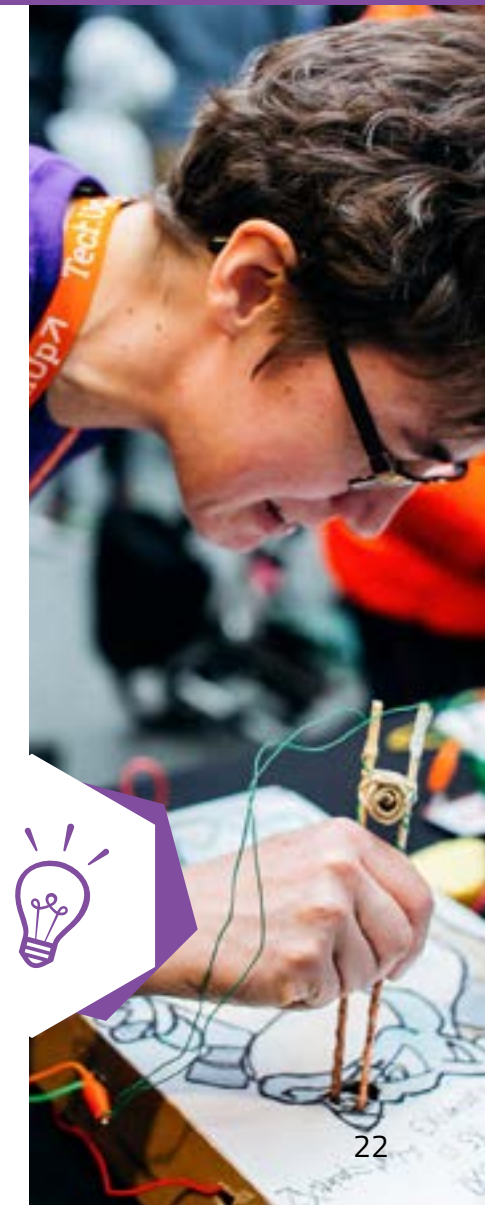
SUPPORTERS

Amazon Canada
 Government of Canada
 Innovation, Science, and Economic Development Canada
 Mastercard
 Province of British Columbia

Our *Tech-Up* specialists are determined! In April, we delivered coding lessons to every single elementary class in the Fort Nelson school district, requiring 14 hours of driving along the Alaska Highway to reach Toad River School, whose entire population for Grades K-12 is seven students.

"During the workshop, students were able to use technology that we do not have access to at school. Also, the educators were very interactive with all the students, and they developed a great rapport during the workshop. All students including special needs and ELL (new to the country) experienced success during the workshop. My class was so inspired that they want to continue learning and exploring coding further."

— Teacher Participant, Tech-Up Workshop





Science World empowers educators across BC with workshops that offer a rich blend of fundamental concepts, cross-curricular activities, and resources to continue the learning after the workshop has ended. These sessions have made a significant impact in fostering innovative teaching practices in Vancouver and beyond, reaching communities like Fort Nelson, Campbell River and Terrace. The impact of these initiatives extends beyond the workshops, as educators bring newfound knowledge, skills, and inspiration back to their classrooms.

In addition to our professional development workshops, Science World journeyed to Prince George, Nanaimo and Cowichan, engaging in targeted sessions for teacher candidates in the University of Northern British Columbia's education community, Nanaimo Science, and two island school districts. This hands-on experience both enriches the growth of aspiring educators and strengthens ties with these communities, contributing to a collaborative learning ecosystem.

Educators choose from the following offerings: Coding Unplugged (K-6); Math & Computational Thinking (K-9); Digital Literacy & A.I.; Introduction to Specific Technologies (K-12); Introduction to Specific Technologies (K-12). They can also sign up for STEAM Days of Summer, our flagship summer program that brings educators together for five days of immersive professional development at zero cost.

IMPACT

60 Workshops

783 Participants

SUPPORTERS

National Sciences and Engineering Research Council of Canada (NSERC)



“Thank you for including me in this year's conference. It is so rare to have all engaging, hands-on science conferences. I will be recommending this conference to my colleagues for the future.”

— Participant, 2023 STEAM Days of Summer

100% of STEAM Days of Summer respondents said they enjoyed the event, they learned something new, they'd recommend to a colleague, and they feel more confident incorporating coding and/or computational thinking in their lessons.



The thirty-fifth year of our longest-running free program marked a milestone as our first full year back in schools since pre-pandemic! *Scientists and Innovators in Schools (SIS)*, presented by TELUS, is a volunteer-based program with the goal of inspiring students through exciting, interactive presentations by professionals in STEAM.

SIS pairs a class of curious students with a STEAM professional whose knowledge matches the class's general interests. Visiting STEAM professionals have been proven to increase students' interest in science by providing them with the kinds of role models that can be hard to find elsewhere. By offering both in-person and online visits, we have ensured that students in every region of the province can access the in-depth knowledge, experience and encouragement of STEAM mentors, regardless of their location. We offer *SIS* free of charge to Grades K-12 everywhere in BC.

IMPACT

747 Visits
1,069 Educators
15,490 Students

SUPPORTERS

National Sciences and Engineering Research Council of Canada (NSERC)
 Province of British Columbia
 TELUS



"I just wanted to again thank you for the wonderful presentations and workshops you gave in our classrooms with the grade 2 students. They really enjoyed it and so did I. I might even do a mini unit on Force and Motion, as you inspired me to teach something I was really never interested in teaching before."

— Teacher Recipient of *Scientists and Innovators in School* Presentation

In this engaging online program, students and teachers are invited to pull up a chair and enjoy as our talented science facilitators take them on a fun and informative 45-minute science adventure through Chemistry, Forces, or Science for a Changing World!

Chemistry Grades 4–7: Through interactive demonstrations, students delve into questions about the dissolution of gases in liquids, identification of acids and bases, and distinguishing between chemical and physical changes. This program, offered in both French and English, stimulates scientific curiosity and aligns with educational standards.

Forces Grades K–6: This workshop delves into concepts such as the motion of objects, forces, and Newton's laws, not only providing captivating insights but also an introduction to an inquiry activity, encouraging students to apply their knowledge. Available in both French and English.

Science for a Changing World Grades 1–6: A virtual field trip through Science World that offers a close-up look at living organisms, emphasizing their basic needs and adaptations in the face of environmental changes. Available in both French and English.

IMPACT

100 Sessions
43 Locations
80 Schools
135 Teachers
1,867 Students

"What a fabulous virtual field trip! My kids were engaged, the facilitator was animated, and the content was just right for their ages. We loved the movement to see parts of Science World and how the other scientists interacted with their relevant experiments."

— Teacher Recipient of *Online Science Adventures*

SUPPORTERS

National Sciences and Engineering Research Council of Canada (NSERC)
 Province of British Columbia
 Odium Brown Limited

Online Science Adventures reaches beyond BC, delivering adventures to Whitehorse in Yukon, over 2,500 kilometres away, and Iqaluit in Nunavut, almost 5,000 kilometres away from our dome!





GenAction programs presented by Odlum Brown are crucial for urgent environmental education and empowerment. In an era dominated by climate challenges, many of which are occurring in BC, these programs play a vital role in shaping informed and environmentally conscious individuals. By fostering responsibility and commitment to environmental stewardship, *GenAction* empowers participants to be catalysts for positive change. The following initiatives contribute to developing a generation well-versed in environmental complexities, cultivating a proactive mindset for building a sustainable and resilient future.

- Forest Stories Grades K–3: A fieldtrip workshop where students listen to, write and perform their own stories about climate change.
- Science For a Changing World Grades 1–6: An interactive online workshop that educates students on climate change, animal adaptations, and ecosystems.
- Summer Camps Ages 7-10: Get dirty, dig, and learn! Kids focused on food security, helping grow and donate 402 pounds of food and 112 eggs to Strathcona Community Centre.
- Science World Extravagant Evenings for Teens (SWEET): Free fun evenings at the dome where teens commit to individual climate actions.
- Green Energy Forecast Workshop Grades 6-9: Introducing young minds to data science and machine learning in the context of environmental sustainability.
- Scrappy Gardening Workshop Grades 1-7: Addressing consumption and waste management, highlighting the connection between food waste and climate change.
- River Champions Interactive Flooding Activity (All Ages): In partnership with the Fraser River Discovery Centre, youth partook in activities related to flooding and climate change.
- Online Education Resources Grades 3-8: Science World's online resources break down geographical barriers and foster engagement in climate action.



IMPACT

- 4418 Participants
- 4628 Climate action commitments

SUPPORTERS

- Government of Canada
- Odlum Brown Limited

"I'm so impressed by how much my daughter understands about carbon footprint and global warming."

— Parent of a Summer Camper



Our new Forest Stories workshop is bringing out kids' inner superstars! One kindergarten student performed five separate roles, switching seamlessly among different plants to describe what happens in a forest. A Grade 2 teacher expressed gratitude for the workshop as it encouraged some of her shyest students to speak in front of the class.



In a sparkling fusion of mixology and molecular gastronomy, Science of Cocktails 2023 shook up the city with a bubbly experience that left taste buds tingling and hearts warmed. Attendees immersed themselves in a sensory and scientific journey, and our community of partners and supporters demonstrated the power of collaboration and philanthropy!

Guests reveled in demonstrations by Science World's own Director of Performance and Fun Times Brian Anderson, alongside captivating emceeing by Connie Smudge and Peter Carlone, and VIP entertainment by musician-scientist Ian Cromwell. Culinary delights included standout dishes like the 24-Hour Liempo Pork Belly from North West Culinary Academy and the Lemon Meringue Pie from Peake of Catering earning top honors in our competition. With heartfelt gratitude to volunteers, organizers, and attendees, we toast to another year of raising glasses and raising funds for a brighter, more scientifically curious future.

Romance was in the air—literally—with a surprise marriage proposal. We invited the couple onstage to wield a laser and pop a balloon, and out flew an engagement ring! To everyone's delight, her partner said yes. An unforgettable moment intertwining love and science.

IMPACT

1,500 Attendees
\$285,000 Raised



SUPPORTERS

- | | | |
|--|-----------------------------|-----------------------------|
| Arbutus Distillery | Freehouse Collective | Phillip Chin Photography |
| Beam Suntory | Goodridge & Williams | PMA Canada |
| BC Liquor Distribution Branch | Hapa Izakaya | Proximo Canada |
| Campari Group | Helijet | Rémy Cointreau |
| Canadian Professional Bartenders Association, BC Chapter | Hello Nori | Savoury Chef |
| Charcuterie Vancouver | Innovation Lighting | Sheringham Distillery |
| Corby Wine & Spirits | KiAN Sound | Sovereign Canada |
| Edna's Non-Alcoholic Cocktail Company | North West Culinary Academy | The Lazy Gourmet |
| Emelle's Catering | Notch8 Restaurant & Bar | Truffles Fine Food Catering |
| Fentimans | Ono Vancouver | Vancouver Private Dining |
| Flor de Caña | Parallel 49 Brewing Company | Victoria Distiller |
| Flüff Design | Peake Catering | WestJet |
| | Pedersen's Rentals | YVR Axis Planning |



It's a night out that's a little bit out of the ordinary! Science World After Dark is a special monthly event where adults (ages 19+) let loose, have fun, and take over the dome. This year, three events featured special programming designed to align with the interests and values of our adult audiences.

In August, After Dark: Celebrating Pride honoured the rich history of Pride in Vancouver with an incredible lineup of performers, drag stars, and science communicators. In October, guests joined us for a night of espionage at After Dark: Mystery. Ai for our annual whodunnit. For Valentine's Day, we hosted After Dark: Science of Love & Sex, a playful evening of knowledge, romance, and storytelling with special performers. These popular events help us fulfil our mission to connect with our adult audience. Bringing adults together through science fosters a lifelong love of learning and contributes to a more scientifically engaged society! Plus, it's just super fun.

IMPACT

- 9 Events
- 7,306 Tickets sold
- 6,839 Attendees

The plans for Science of Love and Sex included three mini-talks by UBC sexperts. They proved so popular that we added two more. Even still, all five sold out the Science Theatre!



"I loved getting to learn some fun science facts while enjoying a drag show! It fulfilled my queer nerd heart!"

— Celebrating Pride Attendee, After Dark



The success of the Feature Exhibition *Trailblazing – Women in Canada since 1867*, presented by Acuitas Therapeutics extended into a three-part sold-out speaker series, celebrating local women making significant strides in STEAM fields and showcasing the importance of diverse voices in pushing their respective fields forward.

"Trailblazing Women in Canada: How We Changed It" events in June and September showcased and celebrated local women who are breaking barriers and inspiring future generations in STEAM – including seven Indigenous women who've made positive changes within Indigenous communities in recognition of National Indigenous History Month.

In November, "Trailblazing the Deep" took guests on an immersive dive into the deep-sea adventures of three women who are creating positive change and bringing new voices to deep-sea exploration, ocean conservation, and underwater technology, film, and photography.

IMPACT

- 3 Events
- 300+ Attendees

"My two friends and I took our 13-year-old daughters to the event. It was nice to spend the evening doing something special with them and it was a great way to expose them to positive role models."

— Attendee, Trailblazing Speaker Series

Initially planned as a two-part series, the events were so popular that we added a third! The response was overwhelmingly positive, with one attendee sharing, "The biggest take away (from this event) was that we are all human. These women are fabulous, intelligent, successful, inspiring, etc. and they were able to share some flaws that they have. It is always reassuring to hear and see when women with these levels of successes face the trials and tribulations of being human as well."



During the month of October, Science World proudly presented The Superpower of Sight, an engaging exhibit brought to our visitors by BC Doctors of Optometry, housed in our *BodyWorks* Gallery. This interactive showcase, designed for both kids and adults, invited exploration of the fascinating realm of vision through a series of hands-on activities. At the centre of this exhibit stood a seven-foot-tall eyeball, a visual marvel that allowed participants to gain insights into the inner workings of their eyes and the significance of maintaining eye health. The exhibit aligned with Children’s Vision Month in October, emphasizing the crucial role vision plays in learning and development.

IMPACT

- 42,787 Visitors to the dome in the month of October
- 45,682 People reached through newsletters
- 14,023 People reached through social media
- 2,486 Engagements on event page

On select days, visitors could take part in a free personalized eye power activity, facilitated by designated local optometrists of Optometry!



For two days in November, Science World visitors were invited to jump into the unexpected with Mario and friends and celebrate the release of the Super Mario Bros. Wonder game for the Nintendo Switch system. This immersive experience allowed family and friends to come together to explore the colourful world of the Flower Kingdom, deepening their connection with gaming and entertainment by embarking on an exciting treasure hunt throughout the event space. As a reward for completing a specially designed booklet with details about the Wonder game, treasure hunters were presented with a crown, symbolizing their proficiency of the challenges and their status as champions of the Flower Kingdom!

IMPACT

- 3,289 Visitors participated
- 6,054 Views on the webpage
- 7,839 People reached through social media

Game-enthusiastic visitors of all ages were thrilled with the chance to pose for a photo with a massive Mario! This spirited mascot added a lot of new and nostalgic wonder to the event.



SKWACHĀYS ARTIST EXHIBITION

The Skwachāys Artists Exhibition features members of the vibrant Indigenous arts community in Vancouver and beyond. To showcase these talented artists, we collaborate with the Artists in Residence at Skwachāys Lodge, an initiative that provides Indigenous visual artists, actors, directors, writers, and musicians with invaluable opportunities for growth and development. The value of Indigenous Ways of Knowing in STEAM education is profound. It fosters our ability to integrate holistic perspectives, interconnectedness with the

natural world, and cultural diversity. Exhibitions like these enrich the learning experiences of our visitors and contribute to the preservation and celebration of Indigenous culture.

In 2023, we were honoured to feature the work of Dana Justine Belcourt, Lydia Brown, Mike Alexander, Rosie Johnnie-Mills, The Strangling Wolf Brothers, Gerry Sheena, Cochise Seitcher, Walter Davidson, Rory Dawson, and Matthew Provost.

ARTIST IN RESIDENCE

In 2023, interdisciplinary artist Gwenyth Chao delivered a series of art workshops to our visitors and summer campers. Her innovative use of food refuse, transformed into art materials, exemplifies her commitment to sustainability and redefining the boundaries of artistic expression.

Participants in her workshops had the opportunity to create their own sculptures or trinkets from organic materials, fostering a hands-on connection with art and the environment. Her project apodeme of a line was on view in the first-floor atrium at Science World and considered, "how lines can create space when they are given space to freely meander." In this project, Gwenyth found existing holes in the architecture for the lines to latch on to rather than nailing the lines to the wall. The meandering webs were made from food refuse that she transmuted into artmaking materials like gels, clays, composites, plastics and paper.

Curator Ēlya White implemented protocol and ceremony for artwork 215 to Remember by Rosie Johnnie-Mills, ensuring those who touched the pieces did so with good energy—an important element of working with art in Indigenous culture.

During Gwenyth's artist residency, workshop participants contributed to her collaborative 3D drawing using plant material from the Science Park that spread throughout our atrium over four months!

Tinkering Space: The WorkSafeBC Gallery is where visitors celebrate innovation! With thousands of wooden KEVA planks and hands-on activities, guests get creative, crafting replicas and structures, fostering problem-solving skills and imaginative exploration. New this year, our in-person Maker Studios, have empowered 586 visitors to experiment and create with new tools, with 100% of participants strongly agreeing that they are proud of their project and learned something new!

Search: Sara Stern Gallery serves as a sanctuary for fostering a deep connection to the natural world. It inspires visitors to become nature ambassadors, igniting a passion for conservation. The gallery's tranquil ambience and slower-paced learning environment encourage visitors to immerse themselves in multi-sensory experiences, touching specimens and reflecting in Sara's Corner, a cozy reading area adorned with nature-inspired art.

BodyWorks Gallery invites visitors on a journey of self-discovery and celebration of the human body. It promotes a positive outlook on individuality and empowers visitors to make informed choices for their well-being. From assembling skeletons to guiding sperm to eggs, the gallery fosters curiosity and engagement, encouraging visitors to delve into the marvels of human biology.

Eureka! Gallery extends the investigation of physics into topics such as fluids, light, sound, simple machines, and high-tech electronics. From the hippo lever to the ball cannons and beyond, Eureka!'s hands-on exhibits spark excitement and fascination, fostering experimentation and shared discoveries. Visitors are encouraged to try different approaches and share their findings, promoting collaborative exploration.

Wonder Gallery sparks curiosity and discovery in our youngest visitors, ages 0-5. Children explore scientific concepts through hands-on play and experimentation in five areas—Experiment, Splash, Shine, Crawl, Climb, and Build. Visitors also benefit from programming developed in collaboration with Early Childhood Education students from Langara College.

Ken Spencer Science Park is a vibrant outdoor space welcoming visitors to engage with interactive exhibits and nature. There, they can explore companion planting techniques, learn about sustainable gardening practices, and enjoy the lush greenery. In the Science Park in 2023, with the help of our dedicated Summer Campers, we grew and donated 402 pounds of produce and 112 eggs to Strathcona Community Centre for their food programs.





To be named a Friend of Science World is an honour bestowed by the Membership of Science World on an individual who personifies the goals and aspirations of the Society. The recipient is characterized by a love of science, a dedication to community service and a commitment to the evolution of British Columbia as an international centre of science and technology. Either through their activities on behalf of the Society and/or by the example they provide by their life's achievements, Friends have contributed significantly to the development of a science culture in our province.

- 2021 Dr. Bonnie Henry
- 2018 Bryan Tisdall
- 2017 Trudi Coblenz
- 2014 Gordon Campbell
- 2010 Dr. Ken Spencer
- 2009 Stan Hagen
- 2006 John Pitts
- 1994 Dr. Michael Smith
- 1992 Haig Farris
- 1991 Barbara Brink
- 1990 Dr. Cecil Green

To be named a Patron of Science World is an honour bestowed by the Members of the A.S.T.C. Science World Society on a volunteer or former employee who has contributed in a significant way to the development of the Society. The Society recognizes that a community facility like Science World can only thrive if it is the recipient of the collective contributions of energy, wisdom, time, financial resources and goodwill from the leaders of the community it serves. The Patrons of Science World are examples of this leadership.

- | | | | |
|-----------------------------------|------------------------------|--------------------------------|----------------------------------|
| 2024 Clyde Hagans | 2011 Bruce Drake | 2004 Eric Kong | 1995 David Ingram |
| 2024 Lui Petrolini | 2011 Stewart Ladyman | 2004 Victoria Withers | 1995 Lucille Pacey |
| 2023 Chris O'Riley | 2011 Morgan Sturdy | 2003 Dr. Lorne Whitehead | 1993 Larry Bell |
| 2022 Walter Segsworth | 2011 Peggie Terry | 2001 Dr. Alan Pelman | 1993 John Fraser |
| 2021 Peter Brown | 2010 Ross Mitchell | 2000 Drinda Scott | 1993 Jane Hungerford |
| 2021 Pauline Finn | 2010 Garry Rasmussen | 1999 Peter Lige | 1993 Alex Klopfer |
| 2021 Lily & Bob Lee | 2009 Trudi Coblenz | 1999 Fei Wong | 1993 Nurjehan Mawani |
| 2021 Dana & John Montalbano | 2009 Caroline Jellinck | 1998 George Battye | 1993 Rudolph North |
| 2018 Nicole Geyer | 2009 Michael Lee | 1998 Dr. Sid Katz | 1993 E. Lynn Patterson |
| 2018 Andrew Harries | 2009 Munro MacKenzie | 1998 Kevin O'Neill | 1993 Don Risk |
| 2017 Dr. John Cairns | 2009 John Murphy | 1997 Anthony Barke | 1993 Ron Stern |
| 2017 Bruce McLeod | 2009 Dr. Ken Spencer | 1997 Brian Canfield | 1993 Milton Wong |
| 2015 Dr. Robin Louis | 2008 Jeff Devins | 1997 Robert Carlisle | 1993 Dr. John Wormsbecker |
| 2015 Dr. Lindsay Machan | 2008 Bob Wiens | 1997 Robert A. Dickinson | 1992 Dr. Harold Copp |
| 2015 Peter J. O'Callaghan | 2007 Eileen Stewart | 1997 Danny Gaw | 1992 Don Graham |
| 2015 Jim Pickles | 2006 Bill Bullis | 1997 Dr. Colin Jones | 1992 John Pitts |
| 2015 Rich Simons | 2006 Don Young | 1997 Dr. Maria Klawe | 1991 Dr. Erich Vogt |
| 2014 Dr. Bruce Beirsto | 2005 Stuart Culbertson | 1996 Dr. Elmer Froese | 1988 Hon David C. Lam |
| 2014 Paul Geyer | 2005 Chris Kelly | 1996 Nairn (Buz) Knott | 1987 Dr. Gerhard Herzberg |
| 2012 Donna O'Neill | 2005 Dr. Ron Marteniuk | 1996 Ron Woznow | 1987 Dr. John Polanyi |
| 2012 Dr. Andrew S. Wright | 2005 Anne Sutherland | 1995 Michael Francis | 1987 Hon. Robert G. Rogers |

RECOGNIZING THE MAJOR GIFT DONORS MAKING BIG INVESTMENTS IN A NERDIER TOMORROW.

This year, the Atomic Circle continued to welcome new members, growing the bright constellation of stars who fund Science World’s boldest and nerdiest initiatives. They shared each other’s company at six VIP events, including exhibition previews, gallery openings, and Science Salons.

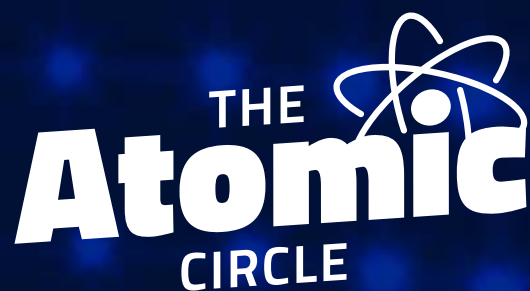
Science World is at a moment in time that demands critical repairs and updates to our facilities as well as an expansion of our programming

across the province. The generous donations of our Atomic Circle members help preserve an icon while driving us toward a future filled with hope, resilience, and equitable STEAM opportunities for all learners in BC.

Atomic Circle members comprise a community of philanthropists who love nerding out on the future of STEAM in BC. They get insider access to VIP events, including our popular Science Salons, where industry experts descend upon the dome to hash out complex ideas and ask big questions. The potential power of this creative and resourceful community truly knows no bounds.

A SAMPLE OF WAYS OUR ATOMIC CIRCLE MEMBERS MADE AN ATOMIC IMPACT IN 2023:

- With a generous gift made in memory of her late husband, Dr. Ken Spencer, Judy Gale enabled 15,000 visitors from communities underrepresented in STEAM to enjoy a day at Science World at no cost through our *Community Access Pass* Program.
- Scott Shaw, his wife, Marion Mann, and daughter, Theresa Shaw funded our inaugural *Future Science Leaders* scholarship, ensuring high school students with financial need who demonstrate volunteerism in the community can attend this life-changing program.
- Sonia and Jeff Hobbs once again generously sponsored a holiday matching campaign, inspiring our growing community of new and introductory-level donors to give a total of \$42,000.
- The Luk Family made a long-term commitment to the *Community Access Pass* Program, ensuring hundreds of people from barriered communities will enjoy a day at Science World at zero cost.



Does this sound like an investment that you or someone you know may be interested in making? Do you like connecting with STEAM leaders and enthusiasts who believe that together we hold the solutions to the biggest challenges we face?

COSMIC RAY

Jesse & Erica Houston

NEUTRON

Willow Grove Foundation, Dr. Andrew S. Wright & Dr. Helen Newton

PROTON

Beedie Foundation

Norm & Pat Francis

Judy Gale

Paul & Nicole Geyer

Alex & Sherry Klopfer

Robin & Linda Louis and Family

John Murphy & Leslie Lee

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Cheryl Slusarchuk & Kevin Gulstene

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Derek Lee & the Lee Family

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Jeff & Sonia Hobbs

Doug & Cydney Smythies

Scott Shaw & Marion Mann

Theresa Shaw

Robert Chin

Dana & John Montalbano

John & Sally Zaplatynsky

Luk Family

The Amir & Yasmin Virani Family Foundation

Visit the [Atomic Circle](https://www.scienceworld.ca) or send our Atomic Circle team a message at atomic@scienceworld.ca to learn more details about this amazing community.

QUARK

Dr. 'Lyn Anglin and Dan Marshall

Janet Wood & David Rice

Dr. Gail C. Murphy

Varshney Family Foundation

Stukas Phipps Family

Kai & Jessica Dalsgaard-Nielsen

Lindsay Machan

Glenn Tarigan

Tracey McVicar

Jim & Casey Fletcher

Sean & Kerin Munro

Bob & Carol Wiens

Joseph Garcia

Tom Frohlich & Erin Barrett

GIFTS GRACIOUSLY RECEIVED IN MEMORY OF DR. KEN SPENCER

Dan & Ursula Bowditch

Paul & Nicole Geyer

Jim & Casey Fletcher

John Murphy & Leslie Lee

Doug & Cydney Smythies

Spencer-Gale Family

Willow Grove Foundation, Dr. Andrew

S. Wright & Dr. Helen Newton



Thank you to our generous donors who make our work possible:

Acuitas Therapeutics	Cinesite Studios	Gail & Cliff Fraser
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	Doug Sheppard & Jill Reid		
	Samantha Short		

FINANCIAL SUMMARY OF OPERATIONS

The financial statements of A.S.T.C. Science World Society for the year ended February 29, 2024, have been audited by PricewaterhouseCoopers LLP, Chartered Accountants.

This table shows revenues and expenses extracted from the Statement of Operations for the year ended February 29, 2024.

The years 2022/23 and 2021/22 are shown for comparative purposes. They are an illustrative summary only and are not intended to replace the annual audited financial statements.

The annual audited financial statements are available upon request.

	Year ended February 29, 2024	Year ended February 28, 2023	Year ended February 28, 2022
REVENUES			
Admission and membership	11,217	10,386	4,854
Retail revenue and contracted services	3,442	3,247	1,196
Donations and sponsorships	2,284	2,450	2,989
Grants	1,289	1,014	1,410
Interest	1,406	270	112
Miscellaneous	417	137	77
	20,055	17,504	10,638
Government Wage Subsidy	-	-	1,319
	20,055	17,504	11,957
EXPENSES			
Visitor experience, development and facilities and upkeep	5,894	5,100	3,879
Marketing, communication and sales	3,767	3,402	2,041
Exhibits, theatres and programs	2,408	2,159	1,166
Support services	4,294	3,410	2,722
Community engagement	2,254	1,987	1,118
	18,617	16,058	10,926
EXCESS OF REVENUES OVER EXPENSES BEFORE UNDERNOTED	1,438	1,446	1,031
Unrealized gain on investments	109	-	-
EXCESS OF REVENUES OVER EXPENSES BEFORE AMORTIZATION	1,547	1,446	1,031
Amortization of exhibits and property and equipment	(2,990)	(2,808)	(3,148)
Amortization of deferred contributions related to exhibits and property and equipment	2,178	1,802	2,173
	(812)	(1,006)	(975)
EXCESS (DEFICIENCY) OF REVENUES OVER EXPENSES	735	440	56





OUR MISSION

Through science and nature,
we ignite wonder and empower dreams.

SCIENCE WORLD

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Charitable BN 10673 4809 RR0001

