Welcome Back!
Learn What's Brilliant
*at the*Lab
2023-2024 Teacher Programming

Supporting Innovation In Education For Educators & Youth Since 2013

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BRILLIANTLABS.CA | TEACHER PROGRAM 2023-2024 GUIDE

10 anniversary BrilliantLABS / anniversaire LABOSCréatifs

Let's Explore
2023-2024 Teacher Programming
at theLab

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Welcome Back!

This is a very special school year as Brilliant Labs celebrates our 10th anniversary! Join us and explore new challenges like Brilliant Blue, an innovation competition, and the launch of 'Biomaking Guide' by Alisha Collins, Director of Creative Learning. Enjoy captivating legacy stories, projects, and surprises throughout the year.

With 45+ STEAM programs, 4 Innovation Challenges, the BL project idea portal, and more, there's much to explore, including Cyber Security, Natural Making, and Biomaking. Updates to b.Board and tools to enhance learning. Plus, stay-tuned for news about our 10th Anniversary Brilliant Celebration: May 2024 Atlantic Canadian Innovation Fair! Join us in this journey through the 2023-2024 Teacher Programming Guide.

- Jeff Willson, Executive Director, Brilliant Labs

About Brilliant Labs

For a decade now, Brilliant Labs, an Atlantic Canadian-based charity, has been diligently collaborating with teachers and students. They offer an immersive and hands-on learning platform, aimed at nurturing the development of coding and digital skills among youth. This initiative showcases the incredible potential that emerges when creativity, innovation, and technology intertwine with projects dedicated to advancing the United Nations Sustainable Development Goals (SDGs). Through this decade-long partnership, educators and young learners have united to drive impactful transformations within their classrooms, communities, and the broader expanse of Atlantic Canada, while extending their influence far beyond.

Reach & Impact

32,000+ Summer Opportunities
Youth Reached through Summer Camps

100,392+ Teacher supports
In Class, Virtual, Professional Learning

1,014,135+ Youth Experiences
Experiences provided through in school, after school, and summer camps

10,205+ School and Community Visits
BL Project Specialist visits, project and makerspace support

8,549+ Special Events
Guest Speakers, Coding and Digital Skills Workshops and events

353+ Brilliant Labs Makerspaces
Opening more School and Community Makerspaces Monthly!

2,292+ Carts & Kits Deployed
Maker Carts, Maker Kits, Cyber Security, Prototyping kits

5,183+ Projects
Student-Led Brilliant Projects Funded

Register Today!

Brilliant Learning & Teaching

International STEAM Event Nov 26-28

Fredericton, New Brunswick, Canada

Registration Deadline Nov 20th

3-day Learning & Teaching Event!

Explore!

- **Social Emotional Learning**
- **Maker Learning**
- **Creative Computing**
- **Emerging Technologies**

Learn More & Register!

Brilliantlabs.ca/learningandteaching

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Atlantic Innovation Fair!

Join us for our 10th Anniversary Brilliant Celebration: The Atlantic Innovation Fair (IF) coming this spring! Last year we had 3,000 visitors and over a thousand student projects making the Brilliant Labs Innovation Fair the largest youth STEAM showcase in Canada.

The IF is open to youth from all four Atlantic Provinces. You and your students will have a chance to meet makers from the community, industry, and other schools. Check out some previous projects: "Story Of Making: Virtual Maker Faire".

Subscribe to Innovation News for monthly information and updates.

Learn More: Watch & Read

We have lots of resources for you! Check out our YouTube Channel or Learn more about School Maker Faires in the most recent BL Magazine: Calling All Makers.

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Innovation Challenges

Join the challenge! This year Brilliant Labs will be offering 4 Innovation Challenges. Each challenge provides its own learning opportunities and aligns with the [United Nations Sustainable Development Goals (SDGs)](). Students will be challenged to solve real-world problems, think creatively, and aspire to move out of their comfort zones while meeting learning outcomes.

With all our Innovations Challenges will give Teachers & Students hands-on learning tools, Brilliant Labs' Project Specialist support, synchronous/asynchronous about, how-to & design thinking workshops with kits, an invitation to an exclusive Brilliant Labs guest speaker talk, a challenge showcase finale with teams advancing to the Atlantic School Innovation Fair in May 2024. [Learn More]()

Circular Making

Explore the concept of circular design in the context of our economy and how we can create sustainable products/materials.

Students and teachers loved to take part in our Hack-o-ween and Brilliant Holidays past innovation challenges, this year we now offer a more open ended challenge by combining those challenges. Students will learn what a circular economy is and consider the principles of recycling, reducing and especially reusing! Reusing is emphasized in circular design as a waste material can have many uses before being composted or discarded.
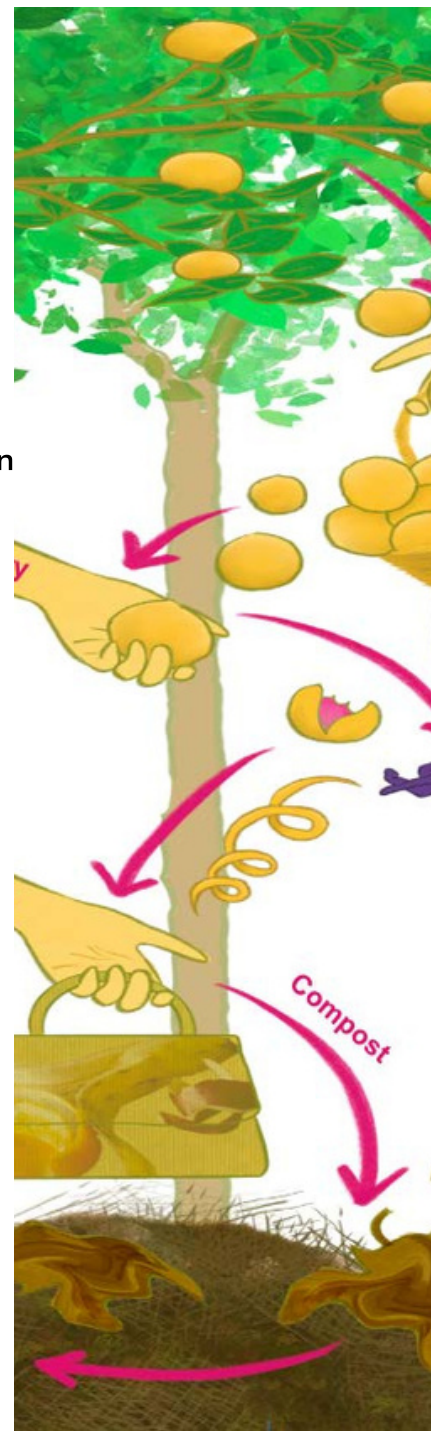
Hack-O-Ween

Halloween decorations or costume props are all about making. Imagine 3D printing onto the material in order to add special effects to your costume. What if you could repurpose old technology and use components to design moving parts for your costume or decorations? The creative potential is endless. [Watch Hack-O-Ween 2022 Student Project Playlist]()

Brilliant Holiday

Looking for a fun holiday project for your class? Let's explore different ideas, craft supplies, and technology to represent your own take on the holiday season. Handmade gifts, clothing, and decorations add that extra special touch to a season that is already filled with fun festivities. [Watch Brilliant Holiday Student Project Playlist and be inspired!]()

ROBOTZ GOT BRILLIANCE

Are you ready to design and engineer a robot? What will your robot do? Why are robotics so important and how can they help make someone's day better? In this Innovation challenge we ask students to build a robot from scratch using different materials, to solve problems they see in their communities. Will your students create assitive devices. Let's explore robotics through empathy.

Join us for our Robotz Got Brilliance Innovation Challenge launch webinar on November 8th. We will give Teachers & Students hands-on learning tools, Brilliant Labs' Project Specialist support, synchronous/asynchronous about, how to & critical thinking workshops, an invitation to an exclusive Brilliant Labs guest speaker talk. Selected projects will move on to our Atlantic Innovation Fair in 2024.

Register Now Learn More
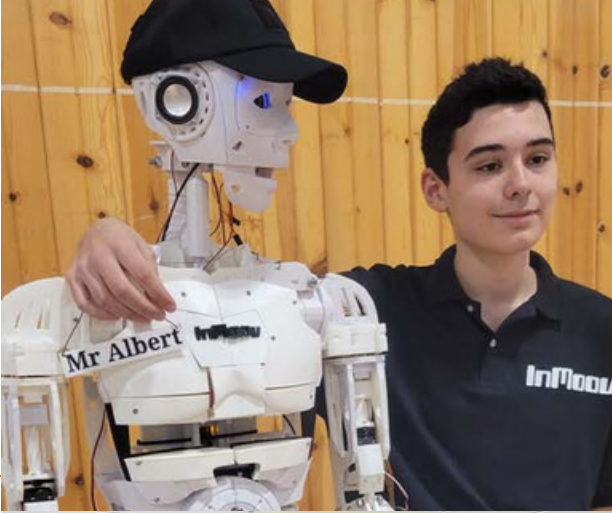
INNOVATIVE FASHION

Join us, January 10th, 2024, as we launch this creative design challenge! The Innovative Fashion Innovation Challenge will inspire youth to discover, create and innovate fashion.

WHERE SCIENCE MEETS FASHION!

Get ready to design actuated garments and accessories that change form, while combining craft and technology to create textiles with new behaviours. Discover e-textiles, biofabrication, hybrid-body craft and so much more. Your challenge will be to rethink the fashion industry: making it more creative, more ethical and more conscious… and way cool SCIENCE!

Let's connect and ask us how?

Communities Of The Future

This year Brilliant Labs we are again challenging youth to reflect on the role of sustainable and equitable communities. The Communities Of The Future Innovation Challenge will inspire your students to explore their empathy and ingenuity to realize how our environment can impact a community's wellness, economy and longevity.

Together, let's find innovative ways to solve real-world problems impacting our communities like transportation, energy, green space, clean drinking water, innovative building design and use of sustainable materials to reduce our environmental impact and carbon footprint.
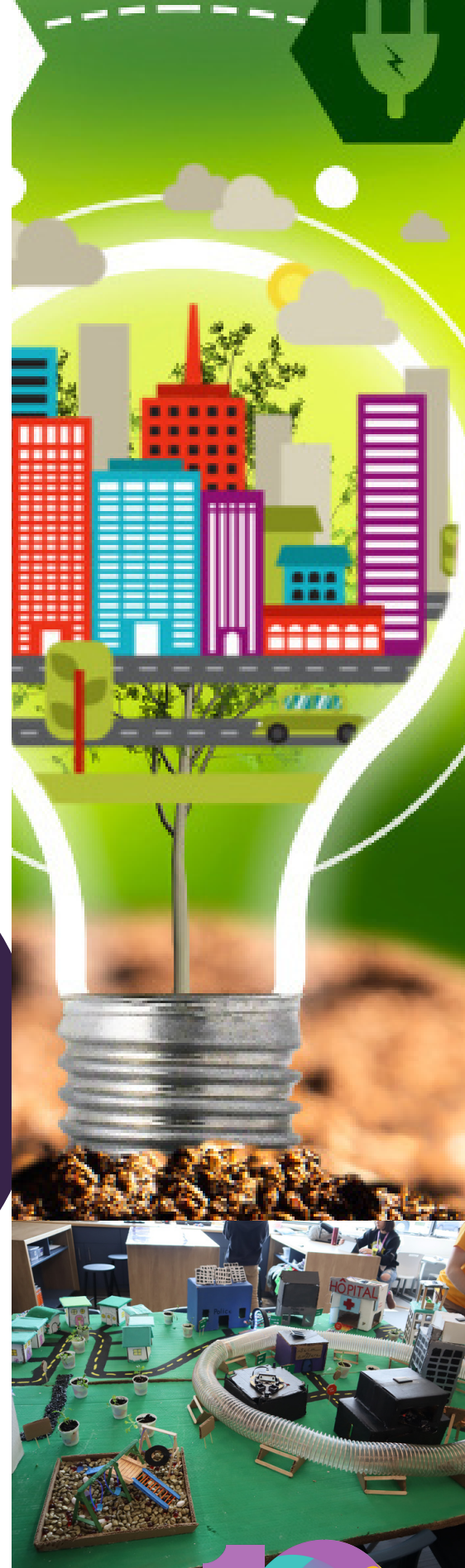
Brilliant Blue Challenge

The ocean covers 71% of the Earth's surface and contains 97% of the Earth's water. With a growing population and dwindling resources, we need to find new ways to sustainably use the ocean's resources. Brilliant Blue is an initiative that empowers youth to design, create, and innovate in the blue economy.

Brilliant Blue is a global competition, conceptualized by Brilliant Labs, that challenges students ages 12-18 to develop innovative solutions to some of the oceans' top challenges. For its first iteration, students will be competing in one of three categories: Marine renewable energy, Marine autonomous systems, and Healthy marine Life. The inaugural competition will be held virtually on Dec 16th, 2023. To learn more, check out this webpage.

Mission: MARS

There is a lot to be said about sending a space shuttle past the stratosphere on a monthly basis and its ecological impact. How can our students help innovate solutions to explore the universe in a more sustainable way? Mission: Mars projects explore various missions.

Here students will build and code a Mars rover using a variety of materials and sensors to complete a multitude of tasks.

BL Learning and Teaching event

Let's start the school year with inspiration . After 10 years working with teachers and students, Brilliant Labs invites you to an International hands-on STEAM Educators' retreat in Fredericton, NB, Canada from November 26-28, 2023. Learn from top educators and connect with like-minded professionals. Sign up now for three days of fun, networking, and valuable teaching strategies. Don't miss out on this must-attend event!

Join our Professional Learning Request List to receive updates on PL in your area. Register Now!

Prepping For Brilliance

We understand how precious preparation time can be for teachers. Our new professional learning initiative for educators, Prepping for Brilliance, helps provide you with a easy and accessible PL. We will come to you, in-person or virtually, set up all materials, and spend your prep time with you and any fellow colleagues at your school who are interested in preparing for brilliance.

Learn At Your Own Pace

Want to learn more about maker centered learning a but you can't travel to some of our in person PL. We offer a asynchronous teacher on line course to develop your own classroom project with code- based and digital skills creation/development for your classroom. Our first LMS is for teachers who want to develop their own projects based on their interests in their class.

Teachers will receive a making kit containing diverse materials. This will be an inspirational workshop to explore a multisensory variety of materials and explore:

- Electronics And Circuits
- Computational Skills And Concepts. During The Course Classroom Project Possibilities
- Co-Construct With Brilliant Labs Specialists And Creative Teachers
- Delve Into Relevant And Meaningful Practices To Design A Purposeful Learning Environment
- Build Confidence In Teaching And Understanding New Technologies To Enhance The Student Learning

For Your Class

We're here to help you. Brilliant Labs offers professional learning for teachers, workshops for students, funding, materials, and support. Let's have a look at what is available to you.

Project Funding

Looking for project materials, training, or support? Brilliant Labs offers funding for hands-on innovative classroom projects. Visit the Funding Portal Here

Please Subscribe To InnovationNews For Announcements and Updates!

Ideas? BL Project Portal Can Help!

Brilliant Projects aim to support teachers and organizations working with children by providing help with cross-curricular learning tied to STEAM curricular outcomes and UN SDGs. These projects aim to promote the use of technology, coding, creativity, innovation, and entrepreneurship in learning for K-12 students. Explore hundreds of projects and get ideas for your classroom! We're here to help too. Visit the BL Project Portal

Brilliant Labs Makerspaces

We can provide funding and guidance to help you develop a class or school Lab or Makerspace. With over 300 school-based Labs currently supported we are happy to share our experiences and best practices. You can access our How to Get Started Lab guide here. Plus learn how St.Stephen High School combined "Wellness & Innovation"! Explore a "Makerspace Through The Eyes Of A Student"

Classroom Workshops

We are available to support your classroom, in person and virtually. Contact us and we connect you with a Program Specialist to provide the necessary materials for workshops. Workshop subjects include: coding & digital skills, biomaking, b.Board and more. You can also access pre-recorded learning sessions for all grade levels.

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b.Brilliant Season 2

Attention teachers and students in Grades K-8! We invite you to join the b.Brilliant cast for an exciting adventure in Season 1 and stay tuned for Season 2.

Alex, Mr. Lingley, and BB are returning to the Lab for more STEAM learning, understanding Sustainable Development Goals (SDGs), and honing their problem-solving skills.

In this upcoming season, you'll delve into the mysteries of what happened to Mr. Lingley, learn with Alex as she navigates the challenges of maintaining harmony while wrestling with her post-high school plans, and see BB's journey expand as they inhabit a robotic body and make new robot friends visit to the Lab.

Get ready to explore the world alongside Alex and her fellow makers. Through innovative technology, they'll create, learn from expert interviews to solve real-world problems, and unravel the enigma surrounding "BB" – the mischievous lab A.I. that appears to offer help while occasionally stirring up some trouble for b.Brilliant's dedicated teacher, Mr. Lingley.

But the excitement doesn't stop with the show! After watching each episode, you can follow the b.Brilliant Maker Guide to get ideas about either making the show's projects or creating your own at home or in your classroom. Don't miss out on this engaging opportunity to learn and create. Start your journey by watching Season 1 here!

Let's embark on a thrilling adventure of learning, discovery, and creativity with b.Brilliant!

Guest STEAM Mentors

Calling all youth in Grades 6-12! We have an incredible opportunity for you to become on-camera STEAM Mentor for b.Brilliant. Are you passionate about science, technology, engineering, arts, and math (STEAM)? Do you want to make a positive impact on the world by helping others understand and tackle key United Nations Sustainable Development Goals (UNSDGs)? This is your chance to shine!

As an on-camera STEAM Mentor, you'll take the lead in guiding our viewers through exciting projects that not only ignite curiosity but also provide solutions related to crucial UNSDGs. We believe in the power of your ideas and your ability to inspire change. Your involvement will be instrumental in spreading awareness and driving action towards a more sustainable and just future.

Here are the UNSDG topics we're focusing on:
1. Climate Action
2. Sustainable Development
3. Industry, Innovation, and Infrastructure
4. Affordable and Clean Energy
5. Life on Land
6. Quality Education
7. Sustainable Cities and Communities
8. Life Below Water
9. Peace, Justice, and Strong Institutions
10. Decent Work and Economic Growth

If you're ready to showcase your speaking skills and creativity, we encourage you to step forward and be a part of this groundbreaking initiative. Your contributions will not only educate and empower viewers but also make a meaningful impact on our world.

Don't miss out on this chance to be a b.Brilliant STEAM Mentor and shape a brighter future for us all. Get in touch with us today to <u>TAKE ACTION and learn more about how you can get involved!</u>

WANTED

b.Brilliant

GUEST MENTORS

Attention students in Grades 6-12 with a passion for public speaking, journalism, or acting!

Elevate your skills as a Guest STEAM Mentor for b.Brilliant. Demonstrate projects, discuss UNSDGs on camera, and inspire change. Shape your future while shaping a sustainable world.

TAKE ACTION!

Brilliantlabs.ca/bbrilliant

Rapid Prototyping

The b.Board is an open-source electronics hardware prototyping platform designed by Brilliant Labs. It's designed to be accessible to youth, creators, researchers, and inventors of all ages, use the b.Board to easily bring your IoT, Open or Big Data projects, robotics or other hardware classroom project ideas from concept to prototype in minutes. The b.Board opens up a new world of design possibilities with its integrated breakout pins, motor drivers, servo pins, onboard WiFi, high current supply capability, clickboard™ compatibility, expansion port and much more! Learn more visit the Brilliantlabs.ca/bboard
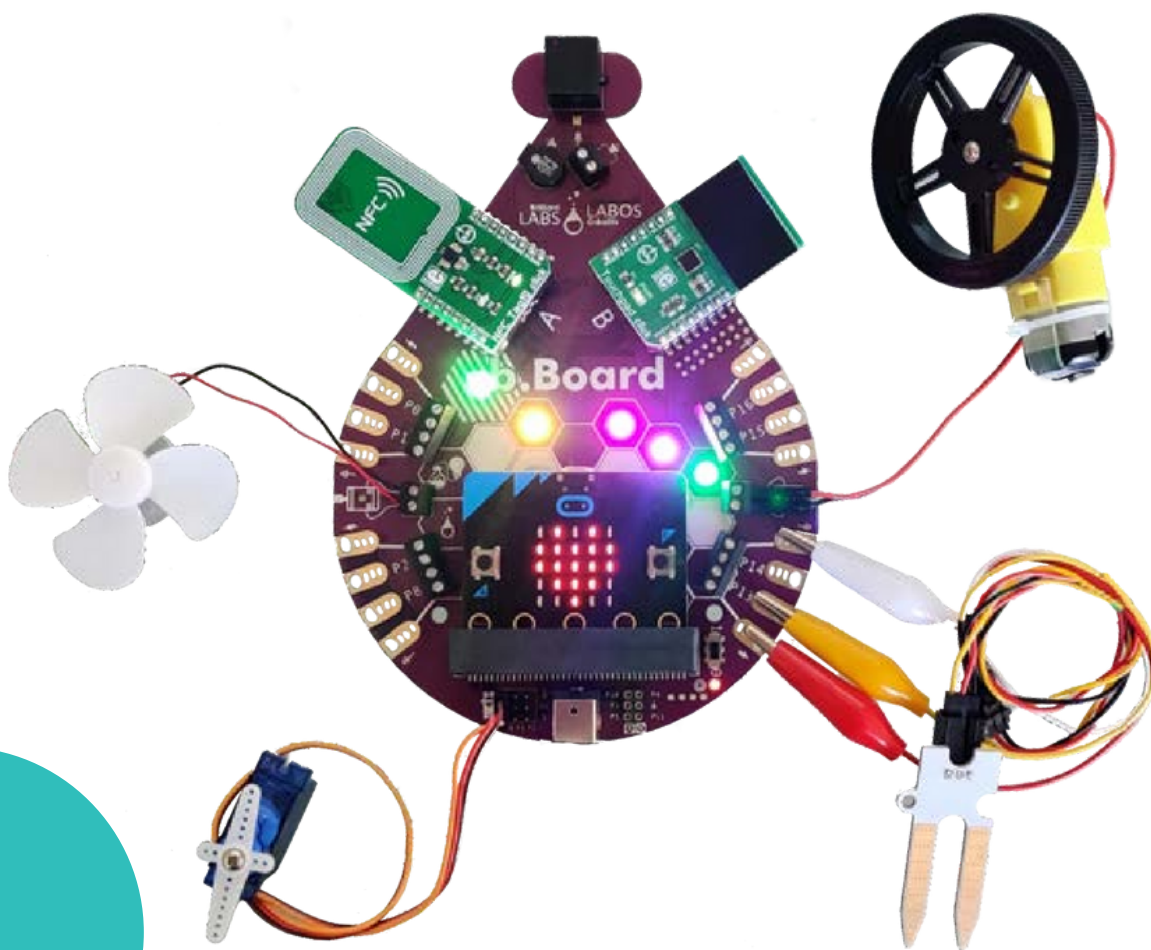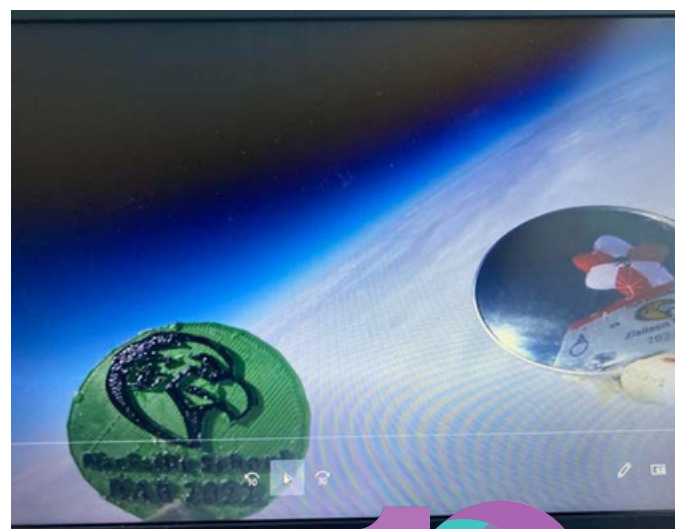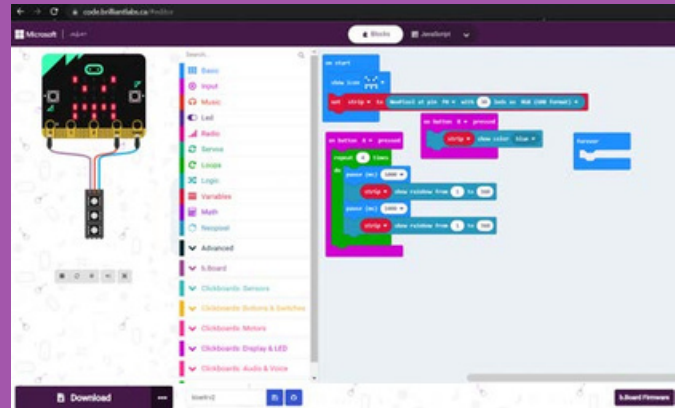
Coding the b.Board

Easily code the b.Board with a custom environment designed to help you effortlessly create your projects using blocks, JavaScript, or Python at code.brilliantlabs.ca. Our platform also includes ready to use project examples and tutorials helping your transform your ideas into inventions and making the b.Board the perfect rapid prototyping solution for makers and students of all ages and abilities.

Collecting Data with b.Board

The Brilliant Labs Cloud empowers makers and students to collect data and control their b.Board powered IoT (Internet of Things) devices. Students and makers can leverage HTTPS, MQTT, and WebSockets to develop real-time IoT devices and collect a variety of sensor data for Big or Open Data projects. To explore visit cloud.brilliantlabs.ca.

On June 20, 2022, Mr.Ashley Hallihan, Blackville High School teacher and students found the weather window they had been waiting for since 2019. Poor wind conditions kept their High Altitude Baloon project grounded, then lockdown. Three years later, during the last week of school the team make it happen.

"One word to sum up today... amazing! Great team effort with Brilliant Labs / Labos créatifs & ASDN ICE Centre team members. From the launch to the recovery, we were able to capture amazing video from a GoPro, 360Fly and drones. As well, we recorded data like temperatures, pressures, sound levels, acceleration and GPS coordinates. To find this payload in the middle of the woods with a drone is beyond amazing! Video footage both 1080 and 360 panoramic to come... here is a tease with some screenshots - enjoy!" - Ashley Hallihan, Facebook, BHS ICE Centre

Making A Difference Speaker Series

Brilliant Labs is committed to empowering youth, educators, and families to fuel their passions, take creative risks and construct a sustainable future for themselves and their communities. We explore fun ways to introduce novel technologies to catalyze positive social and ecological change within communities.

Our Making A Difference Speaker Series features global speakers from diverse backgrounds to spark conversations on technological innovation, humanity-centered design, ethics, creativity, and leadership. The 30-45 min talks deliver experiences that amplify youth voices about issues they care about and invite them to participate in our exciting innovation challenges. Join us to awaken your creativity, learn from experts with meaningful conversations, and ask questions. This year we look forward to exploring new topics, including fashion tech, ocean tech, musical machines, artificial intelligence, synthetic biology, and more.

Students, teachers and the public are encouraged to join independently or in groups.

Interested? Email Alisha Collins, to find out more!

Find all our Making A Difference Speakers at
BrilliantLabs.ca/speakerseries

Cyber Security

Build a smart community and start thinking about Cyber Security while learning to stay cybersafe and mitigate vulnerabilities.

Brilliant Labs offers in-class and virtual support and resources for educators to help students understand the importance of online safety and privacy, and the importance of being cyber secure at home, at school, and in the community.

From our Cyber Security classroom kits to scripting tutorials our comprehensive Cyber Security Framework includes activities and resources to help students learn about Cyber Security principles like Ethics, Prevention, Detection, Networking, Scripting, Career Paths, Home Automation Risks, CyberSec Basics, and more. Email info@brilliantlabs.ca to find out how to bring cyber security to your students.

Cyber Security Classroom Kits

Brilliant Labs has developed a Cyber Security classroom kit which includes the materials and resources for up to 32 students to get hands-on while learning cybersecurity concepts and digital skills. Students will work to develop a Cyber Safe smart community and have an opportunity to learn about how to mitigate community vulnerabilities, networks, scripting, and IoT (Internet of Things).

With only 45 classroom kits available quantities are limited. Please email info@brilliantlabs.ca to request a classroom kit.

BioMaking

Bio design is a new field that uses biological materials and systems to make sustainable products for human purposes. Around the world, people are exploring ways of bringing bio-technologies outside of research labs and into schools and community spaces. Artists, designers, engineers and hobbyists are harnessing the power of biological living-materials to solve critical problems, create sustainable design products and make art a reality.

Brilliant Labs Biomaking initiative helps young people explore complex biological systems in nature to solve critical problems. Biomaking is a new concept for our Labs where young people can collaborate with harmless microbes like fungi, bacteria, yeast, and algae to design meaningful projects for a sustainable future. After successful pilot workshops with Atlantic schools last year, we will continue our exploration, including advanced synthetic biology activities. This year we will focus on the theme of senses with Biocollaboration activities where we work with living organisms to design innovative biomaterials. Microbes and living things are active partners to humans but require thoughtful engagement.
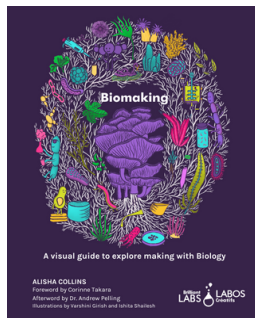
Visit Brilliantlabs.ca/Biomaking to learn more!

Biomaking Guide For Teachers & Students

We are excited to announce our first ever official publication from the Brilliant Labs Press! Biomaking: A visual guide to exploring making with biology. Author, Alisha Colins, presents the emerging

Biodesign field, its significance, and potential applications with hands-on activities to empower youth to take action and achieve United Nations Sustainable Development Goals

Purchase the BioMaking ebook on Amazon or visit BrilliantLabs.ca/biomaking for information on getting a printed guide!

Synthetic Biology

Students can learn all the fundamentals of bioengineering and working with microbes. Teachers and students will be immersed in the basics of amino acid coding creating a codex for interpreting the genome. They will both create models of all the components of a cell's inner machinery and discover new techniques like extraction of DNA and isolation and analysis of proteins. In part of the interpretation and design of genetic code, they will be exposed to freely available tools to make bioengineering in the classroom a reality. More adventurous students can learn about scaling up microbial production with sterile technique.

Please email wilco@brilliantlabs.ca to share your interest.
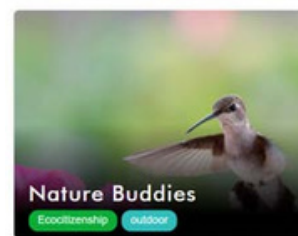
Natural Making

Teachers, students and families can find free and sustainable tools, materials and resources in their own backyard. The environment around every building is an impressive source of inspiration that all learners can naturally learn from all year long. The natural maker team at Brilliant Labs developed a learning continuum to help explore possibilities and discover your own immersive and natural learning environment.

To access the latest version of the Natural Maker Learning Continuum Guide including pedagogies, teachers tips and success stories, ressources from Brilliant Labs and other organisations, visit BrilliantLabs.ca/NaturalMakerspace

You are a teacher and would like to join the Natural Maker Cohorte to connect with other like minded pedagogues, share and get inspired? Contact us.

To learn more about Natural Making contact us or visit BrilliantLabs.ca/NaturalMakerspace

Nature Buddies
Ecocitizenship outdoor

Communication with ...
Inuksuk Ancestor Culture

Natural Tie-Dye
#tiedye walk in colors

Melodies with natural...
Digital Skill

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Machine Learning / Artificial Intelligence

Did you know Brilliant Labs has developed a Scratch based Machine Learning platform? Visit scratch.brilliantlabs.ca where students can explore machine learning and artificial intelligence through easy-to-learn coding blocks. Email info@brilliantlabs.ca for more information, workshops, or training.

Monthly Coding Challenges

Each month, on our Monthly Coding webpage we offer 4 coding challenges for beginner coders to advanced. These bilingual challenges use a variety of tools from paper and pencils, scratch coding, micro:bits, and syntax based coding like JavaScript and python. Use them as a whole class activity connected to your curriculum instruction, or as optional activities for students to extend their learning in new ways.

High School Virtual Co-op

Brilliant Labs offers over 12 different virtual co-op internship positions with room for more than 70 high school students. From 3D Printer Technician, Graphic Design, Digital Marketing, Magazine/Blog/SEO Writers, Hardware Engineering, Cyber Security, Web Development, App Development, Multimedia production, and Game Design.

Brilliant Labs Magazine: Working Together was created with the help of six co-op students and several students exploring media-based projects.

If you know a high school student with an interest in digital skills please reach out to info@brilliantlabs.ca (Subject: Co-op)

Multi-Media Support

Do you have multimedia equipment or an interest in developing multi-media content at your school? From developing videos, podcasts or animations, if you are looking for authentic multimedia projects for your students, reach out to to us: info@brilliantlabs.ca (Subject: MultiMedia Project)
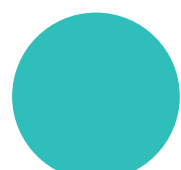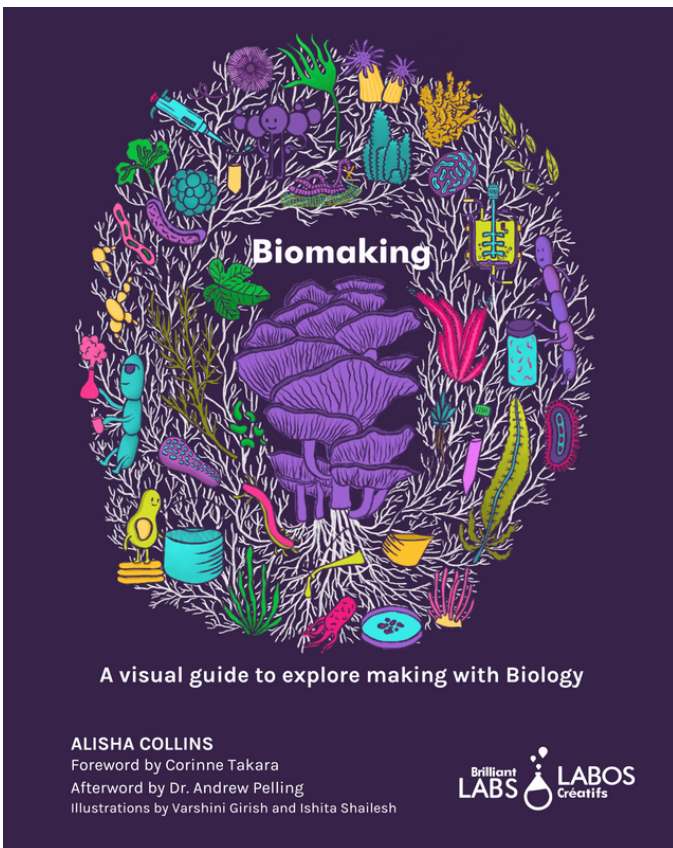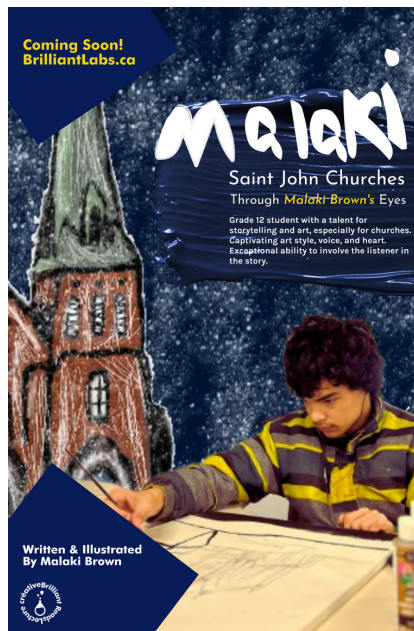
b.Reads

Join Brilliant Labs as we welcome a diverse collection of educational resources for teachers, professional development materials, fiction and non-fiction genres.

Our collection is uniquely authored by both experienced educators and talented students alike, providing a wealth of perspectives and insights into teaching and learning. With our vast range of materials, we strive to inspire, challenge, and engage both educators and students, ensuring a rich and fulfilling educational experience for all.

If you have a book idea connect with us and together we will publish your book.

Contact us at info@brilliantlabs.ca
Subject: b.Reads

Coming This Fall! BrilliantLabs.ca

FIVE festivals

Join us on an adventure! Make yummy foods, learn about the cultures that created them and the magical creatures they celebreate.

Written & Illustrated By Bee Rose

Coming Soon! BrilliantLabs.ca

Malaki
Saint John Churches
Through Malaki Brown's Eyes

Grade 12 student with a talent for storytelling and art, especially for churches. Captivating art style, voice, and heart. Exceptional ability to involve the listener in the story.

Written & Illustrated By Malaki Brown

Coming This Fall!
Get news about the book launch! Subscribe at BrilliantLabs.ca/contact-us

Mycelium Mayhem

Written & Illustrated By Skyler

Biomaking

A visual guide to explore making with Biology

ALISHA COLLINS
Foreword by Corinne Takara
Afterword by Dr. Andrew Pelling
Illustrations by Varshini Girish and Ishita Shailesh

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Visit BrilliantLabs.ca

Helping Hare
The power of compassion

Written & Illustrated By Réka Ravens

The Revolution of 3D Graphics in Education

Expanding Creative Horizons with DigiArt Lab and Brilliant Labs: " Imagine a world where your children are not just consumers of technology, but creators of their own digital universe", this is the exciting prospect that DigiArt Lab and Brilliant Labs offers children through its revolutionary 3D graphics program.

DigiArt Lab places the future at the heart of its teaching approach. We provide our students with a unique learning experience, while instilling in them key skills for their future in an increasingly digital world.

DigiArt Lab offers an annual subscription program for schools, allowing unlimited access to our online courses and workshops. Thanks to our partnership with Brilliant Labs, discounts are also possible. We use professional software recognized in major industries. For students and teachers, we offer a reduced-rate license for these software, thus guaranteeing access to the most sophisticated tools at an affordable cost.

We believe in the accessibility of quality education. By integrating 3D technology into our educational offer, we provide every child the opportunity to discover and shape the exciting world of 3D graphics. Join us today to be part of this educational adventure.

Learning 3D graphics is more than just a course: it's a journey through a multitude of creative fields, a window into a future full of possibilities. Join us today to start exploring and shaping this future.

For more information visit : www.digiart-lab.com

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After-School Programs

Learning is fun, especially when you're taking your ideas from concept to prototype! The Brilliant Labs After-School Programs offer youth, grades 3-8, the opportunity to code, design and explore tools that can help transform our world.

Whether you are interested in a weekly after-school program, a march break camp or even hosting summer camps in your school or area. Let's connect! Reach out to info@brilliantlabs.ca (Subject: After-School)

Summer STEAM Camps

This past summer Brilliant Labs reached more than 7,000 youth. We are always looking to reach more communities. If your school is interested in hosting a summer program, please reach out to us at info@brilliantlabs.ca (Subject: Summer STEAM Camp)

Walk In Colours

Walk In Colours (Marche en couleurs) is an annual community held in Edmundston, NB, every June. This is a fun way to connect and learn more about carbon footprints.
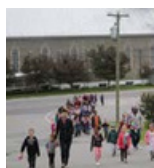
Entrepreneurial Support

Do you know a student who is starting a new business venture? Brilliant Labs has Program Specialists, Youth Mentors and Professional Leaders who can work with students to support prototyping, workshops, and design process guides that will entrepreneurs along the way. Plus, our team will support student entrepreneurs from research and prototyping, to patent and market launch!

Need support, tools, technology, funding, or guidance? We're here to help. Read about Happy Cones! A sustainable and cool journey.

Contact us at info@brilliantlabs.ca (Subject: Entrepreneur)

Hour Of Code/Computer Science Week

The Hour of Code takes place each year during Computer Science Education Week. Which is held annually, typically in December, in recognition of the birthday (December 9, 1906) of computing pioneer Admiral Grace Murray Hopper.
Are you looking to have a fun creative hands-on making coding session during Hour of code week 2023? Reach out to info@brilliantlabs.ca and we will get you in touch with the Program Specialist in your area. This year Hour of code week is December 5th to 11th.

Learning Management System (LMS)

Did you know we offer free massive open online courses through our LMS? With 14 courses ready for you to learn at your own pace, like BioMaking and Machine Learning and more on the way, your students will love to explore, learn, and earn micro-accreditations. Check out our LMS courses at learn.brilliantlabs.ca
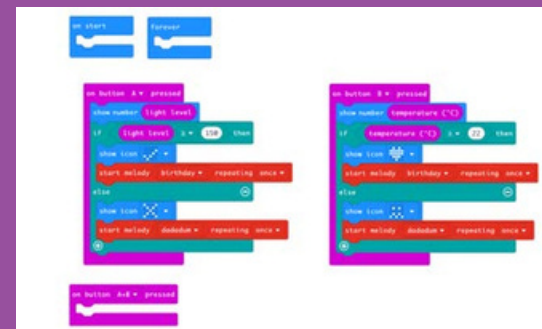
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First LEGO League (FLL)

The First LEGO League's three divisions inspire youth to experiment and grow their critical thinking, coding, and design skills through hands-on STEM learning and robotics.

Whether you are brand new to robotics, or an avid LEGO league participant, this well-structured challenge is for you and your students. Participate in a friendly competition where your students will collaborate, discover and where learn while having fun.

Contact us at info@brilliantlabs.ca for instructions and registrations.

Read, Contribute & Subscribe!

BL Magazine

Each season we offer a more in-depth look at the innovations within our communities and around us. Success stories of our students, interesting innovation ideas, and project ideas you could use in your classroom. Nominate a Teacher for TAKE Five, a regular article, to highlight a champion teacher. Read BL Magazine here!

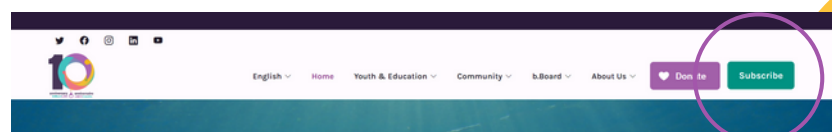## Teacher & Student Articles / How To's & Tips Wanted!

Have an idea? Want to publish your story or inspire your students to research, write and publish an article? Connect with us and pitch us your idea. Topics can techonlgy or general advice for teachers.

Innovation News

Each month we highlight a teacher and a project from each province. Subscribe for news and updates, or to nominate a Teacher or a Project. Read Innovation News!

Subscribe to our mailing lists via the contact us page brilliantlabs.ca/contact-us

OR Click the 'Subscribe' button on our website!

Follow, Like, Subscribe and Share Your Projects With Us!

We share teacher and student stories, BL events, other partner events, awesome STEM stories from around the world, our own Brilliant STEAM stories from around Atlantic Canada and Beyond!

Sharing tips:

- Make it public! If your post is not public we can't see it even if you tag us
- Tag us! You can find us Facebook, Twitter, Instagram, YouTube, and LinkedIn

f **@brilliantlabslaboscreatifs**

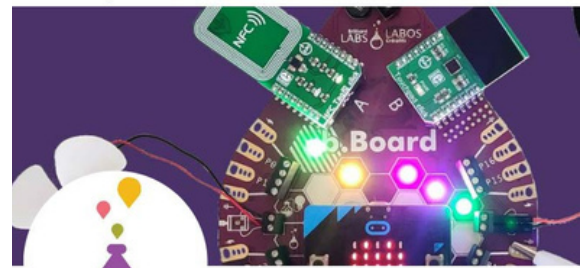▶ **@brilliant_labs**   ▶ **BrilliantLabs**

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Find More and Contact Us

Explore all our programs and keep up to date by bookmarking BrilliantLabs.ca! Plus, if you want to connect with us anytime visit our Contact Us page or email us at info@brilliantlabs.ca. We're looking forward to working with you and your students.

Sometimes it's nice to talk to someone live. We're here to answer your questions or connect you with a specialist in your area. Let's talk, give us a call at 506-442-9059.

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