

Scientists in School | Scientifiques à l'école

ONLINE STEM WORKSHOPS | ATELIERS EN LIGNE SUR LES STIM

2023/2024 Curriculum-Enhancing | NEW BRUNSWICK | 2023/2024 Alignés Sur Le Programme Scolaire

Check out our
ONLINE workshops
inside! | Vérifier
nos ateliers
EN LIGNE
à l'intérieur!

2023-2024

Kindergarten to
Grade Eight |
2e et 4e année



scientists
IN SCHOOL
scientifiques
À L'ÉCOLE



Scientists in School, a leading Canadian science education charity, has been delivering high-quality, rich, investigative STEM workshops for over 34 years. Our ONLINE workshops are inquiry-based, curriculum-aligned, and fun, helping propel Canada's young people to bright futures. Curiosity and discovery are at the heart of every workshop! Each student receives their own materials bag for the investigations. Our goal is a highly interactive experience with our 'visiting' STEM role models and your class.

Online Workshop Fee:
\$240*

60 minutes in length.
30 student maximum.

Click
here to
book!

Age Groups

Click on the grade below to access descriptions of the online workshops available for your students:

Kindergarten

Grades 1 - 2

Grade 3 - 4

Grade 5 - 6

Grade 7 - 8

***DID YOU KNOW?** Scientists in School is a Canadian Charitable Organization and does not charge HST/GST. Our workshop fee is subsidized by generous donors and supporters!

Our Impact

Our goal is to provide high-calibre workshops that kids talk about all week, tell their families about, and list as one of **the best experiences** in their school year! We want all children to be excited about learning, keep exploring after the workshop is over, and make a difference in the world around them.

Our online classroom workshops bring:

- + Individually packaged investigative materials provided in advance for each student, that is theirs to keep!
- + Fun and relevant investigations that build critical thinking, creativity, and problem-solving skills.
- + The opportunity to highlight STEM careers and professional opportunities for students.
- + Dynamic, passionate presenters, who are scientists, engineers, and technologists.

How it works:



Browse through this catalogue and select a workshop.



Book a workshop by visiting the booking portal **HERE**.



Presenter will contact you to confirm date and time.



Receive mini science bags in advance for each student.



Presenters lead workshop live through Microsoft teams or another platform.



Scientifiques à l'école est un organisme éducatif de bienfaisance canadien de premier plan qui offre depuis plus de 34 ans des ateliers d'investigation enrichissants et de haute qualité sur la science, la technologie, l'ingénierie et les mathématiques (STIM). Nos ateliers EN LIGNE, qui s'alignent sur le programme scolaire, reposent sur l'exploration et le plaisir d'apprendre. Cette approche nous permet de propulser les jeunes Canadiens vers un avenir prometteur. La curiosité et la découverte sont au cœur de chaque atelier! Chaque étudiant reçoit une mini-trousse scientifique pour les activités d'investigation. Notre objectif est d'offrir une expérience hautement interactive avec l'aide de nos présentateurs, des modèles chevronnés dans le domaine des STIM, qui « visiteront en ligne à votre classe ».

Frais d'un atelier en ligne :
240 \$

Durée de 60 minutes.
Maximum de 30 étudiants

**Pour
réserver,
cliquez ici!**

Groupes d'âge

Pour avoir accès aux descriptions des ateliers en ligne offerts à vos élèves, cliquez sur le niveau requis ci-dessous :

2e année

4e année

LE SAVIEZ-VOUS? Scientifiques à l'école est un organisme de bienfaisance canadien et ne facture pas la TVH/TPS. Nos frais d'atelier sont subventionnés par de généreux donateurs et sympathisants!

Notre impact :

Notre objectif est d'offrir des ateliers de haut calibre dont les enfants parleront toute la semaine! Ils en discuteront avec leur famille et s'en souviendront comme l'une des expériences les plus mémorables de l'année scolaire. Nous voulons que tous les enfants soient enthousiastes à l'idée d'apprendre, qu'ils continuent d'explorer leur environnement après la fin de l'atelier et qu'ils fassent une différence dans le monde qui les entoure.

Nos ateliers en ligne en salles de classe apportent :

- + Matériel d'exploration pédagogique emballé individuellement et fourni à l'avance. Chaque élève peut conserver sa mini-trousse!
- + Activités d'exploration et d'investigation amusantes et pertinentes qui permettent de développer la pensée critique, la créativité, la communication et l'aptitude à résoudre des problèmes.
- + Occasion de mettre en valeur des carrières dans le domaine des STIM et des opportunités professionnelles pour les élèves.
- + Présentateurs dynamiques (scientifiques, ingénieurs, technologues).

Comment ça fonctionne :



Naviguez à l'intérieur de ce catalogue et sélectionnez un atelier.



Réservez un atelier en visitant notre portail de réservation [ICI](#).



Le présentateur communiquera avec vous pour confirmer la date et l'heure de l'atelier.



Vous recevrez à l'avance des mini-trousses scientifiques pour chaque élève.



Les présentateurs animent l'atelier en direct par l'entremise de la plateforme Microsoft Teams ou de toute autre plateforme.



K

\$240* | 60-minutes
30 student maximum

More than 30 students? Email us at bookings@scientistsinschool.ca to discuss.

www.scientistsinschool.ca

Online STEM workshops
Canada-wide!

Book
here!

Let's Be Scientists!

Kindergarten

Explore all kinds of amazing things as a scientist. Investigate what makes yeast grow. Take your animal for a walk and examine how it moves. Analyze a mystery footprint and identify who came to visit. Ready? Steady? Let's be scientists!

Sense of Wonder

Kindergarten

The world around us is a feast for our senses! Investigate sound and design your own shakers. Explore how our sense of taste and smell are connected. Discover the science behind depth perception and trick your eyes with 3D glasses. Now your interactions with the world will just make sense!



“Our Kindergartens
were so engaged and
had a blast experimenting
with physics materials.
I’m looking forward to
continuing our exploration
and extending the learning
after our workshop!”

~ Kindergarten Teacher ~

Participants receive a mini science bag and keep the materials!

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1-2

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Intriguing Invertebrates

Grade 1

Who has thousands of teeth? Who can float on water? Are you intrigued? Students will learn about the invertebrates in their own backyards by creating models of these creatures. Physical characteristics, habitats they live in, the way they move and eat will be investigated with hands-on and engaging activities.

Properties Really Matter

Grade 2

Liquids and solids are everywhere! Explore household solids and liquids and how they interact. Investigate the properties of solubility, absorption and buoyancy. Then engineer the solution to a common problem. Create an unusual concoction from an everyday solid and watch it dance!

EN FRANÇAIS!

Les propriétés de la matière : une matière intéressante!

2e année

Les liquides et les solides sont omniprésents. Découvrez ceux que l'on retrouve à la maison et leurs interactions. Durant cet atelier, vous examinerez aussi les propriétés de la solubilité, de l'absorption et de la flottabilité. Puis, vous devrez trouver la solution à un problème commun. Enfin, vous pourrez créer une concoction inhabituelle à partir d'un solide du quotidien... et la regarder « danser »!



“Scientists in School
provided engaging
real-life learning opportunities
for my students. I love
that each student has their own
Mini Science Bag to allow
students to further the concepts
experienced in class.”

~ Grade 1 Teacher ~

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3-4

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As a Matter of Fact...

Grade 4

Discover why chemistry matters! Explore solubility, crystallization and a change in state while writing your initials. Create a situation where nothing remains the same and observe and identify the indicators of a chemical change. Solve a mystery using the physical and chemical properties of materials found in the cupboard!

EN FRANÇAIS!

La matière dans tous ses états

4e année

Découvrez pourquoi il est important de s'intéresser à la chimie. Cet atelier se penchera notamment sur la solubilité, la cristallisation et les modifications d'état lorsque vous inscrirez vos initiales avec une solution mystère. Vous devrez créer une situation où rien n'échappe au changement. Puis, vous devrez observer et identifier les indicateurs d'un changement chimique. Vous devrez aussi résoudre un mystère en utilisant les propriétés physiques et chimiques des matériaux provenant d'un placard de la maison!

Get the Dirt on Plants!

Grade 3-4

Dig into the exciting and connected world of soil and plants! Explore the importance of soil by investigating soil layers and experimenting with water retention. We will dissect a seed, learn about seed dispersal, and examine plant growth up close!

Wetland Wonders

Grade 3

Become immersed in the world of wetlands. Discover who makes a home here and how they influence their environment. Create a food chain and explore invasive species. Build a wetland and learn the importance of preserving this habitat. Wetlands are truly a wonder.

"This is an
amazing program that
brings science alive in the
class and everyday lives
of students. Very engaging,
hands-on, and facilitates
critical thinking. I highly
recommend!"

~ Grade 2 Teacher ~

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5-6

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Every Body Moves

Grade 5

Pop into the inner workings of the Human Body. Create a model to learn how systems work together to put an arm in motion. Experiment to find which fuel source works best to energize us. Explore the digestion process as food travels down the tract. Movement is in every body!

Get it in Gear

Grade 5

Simple machines are all around us! Discover where we use levers, gears and pulleys in everyday life. Investigate how levers lift. Assemble gear trains and belt drives and examine how they operate. Construct different pulley systems and explore why we use them.

Shine a Light

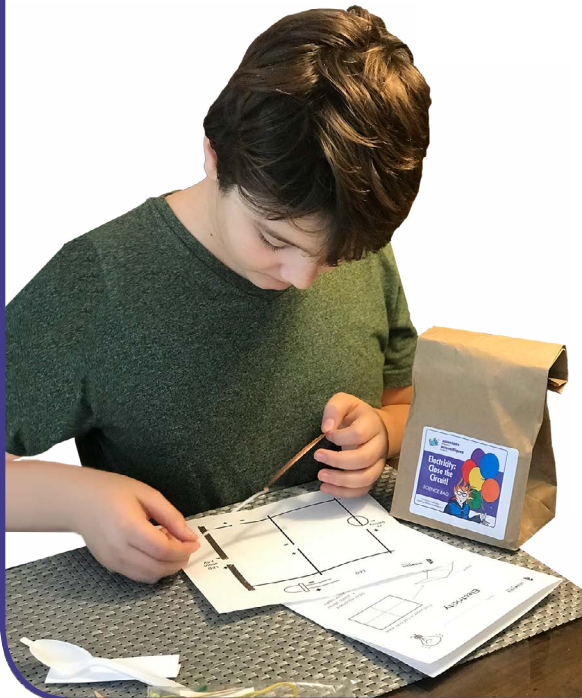
Grade 6

Join us on this optical adventure and learn how light interacts with everything around us! Discover how light travels, passes through objects, and makes shadows. Students will explore reflection and refraction and see how these principles are applied in a fibre-optic cable.

Sounds Like Science

Grade 6

Follow the vibrations to discover the properties of sound: pitch and volume. Design and build ear protectors, while experimenting with materials that absorb or reflect sound. Use your newfound knowledge to create a unique musical instrument.



“I’m using this
workshop as a model
to improve my teaching and
science program. I love
the ongoing questions and surplus
of materials that students
keep to continue exploration and
discovery. Fantastic!”

~ Grade 3 Teacher ~

Participants receive a mini science bag and keep the materials!

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7-8

\$240* | 60-minutes
30 student maximum

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Finding Solutions!

Grade 7

Be part of our STEM start-up company and design a planet-friendly bath product. Check out the competition and define criteria which will differentiate your creation. Explore the properties of matter and learn about acidity and basicity. Use the particle theory to communicate the results of investigations into concentration and rate of dissolving. Then use your science savvy to plan, design and test your own magic formula.

Go with the Flow

Grade 8

Explore fluids and their properties! Build a colourful but salty density column. Find a boat while exploring buoyancy. Compare viscosities while racing liquids. Discover the difference between gases and liquids under pressure.

Our Place in Space

Grade 8

Explore Earth's relationships within our solar system. Discover how to tell time using the sun and an instrument you keep in your pocket. Examine the phases of the moon with the help of a special device. Construct and test technology used at the International Space Station. Find out more about our place in space!

“Each time I use
Scientists in School
I see my students' faces
light up and become
highly engaged in the world of
science. Always a positive
learning experience for students
and teachers.”

~ Grade 4 Teacher ~

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Partners in STEM

With the support of corporate, community, government and individual donors, our leading science education charity has reached over 10 million young scientists since 1989. Their funding supports us in developing/revising programming and topic kits; subsidizing the cost of every workshop; providing at least 10% of our workshops on a complimentary basis to schools serving marginalized communities; and developing the infrastructure to ensure relevant, high quality experiences for students wherever they live in Canada.

Catalyst

Natural Sciences and Engineering
Research Council of Canada

Innovation

Government of Alberta – Civil Society Fund
John and Deborah Harris Family Foundation
MilliporeSigma
Nuclear Waste Management
Organization
Ontario Power Generation
TD Friends of the Environment
Foundation

Imagination

AMD Canada
ATB Financial
Drax Foundation
Robert Kerr Foundation
SC Johnson

Discovery

Ajax Partnership Fund | Bartek
Ingredients | City of Branford | Electrical
Safety Authority | Elexicon Energy | General Motors |
Heartland Generation | Hunter Family Foundation |
Innisfil Community Foundation | Municipality of Clarington |
Nissan Canada Foundation | Oshawa Community Grants |
Ottawa Community Foundation | Red Deer & District
Community Foundation | S.M. Blair Family Foundation |
Superior Glove Works | TC Energy | The Catherine & Maxwell
Meighen Foundation | The Fund for Gender Equality |
The McLean Foundation | The Saint John's Legacy
Foundation | The Township of Tiny | Thomas Sill
Foundation | Town of Whitby, Mayor's
Community Development
Fund

Exploration

Bowmanville Rotary Club | Brampton
and Caledon Community Foundation |
Burlington Hydro | Cajole Inn Foundation | Canadian
Nuclear Safety Commission | Centre Wellington
Community Foundation | Durham Community Foundation |
Huron Community Foundation: John and Jan MacIntyre
Community Endowment Fund, and the Tom and Lucille Gay
Memorial Endowment Fund | Kawartha Credit Union | London
Community Foundation: Acorn Fund for Youth, In Honour of
Terry Campbell | PortsToronto | RBC Digital OMNI Team |
Rotary Club of Brampton | Rotary Club of Oakville Trafalgar |
Rotary Club of Pelham | Rotary Club of St. Catharines |
Smart and Caring Children's Fund, Community
Foundation of Mississauga | The Community
Foundation of Orillia and Area |

We are also thankful to
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Stewart McKelvey and
Taylor McCaffrey LLP
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to Scientists in School.

Scientists in School is a registered
Canadian charity: #867139537RR0001.
www.scientistsinschool.ca

OUR ANNUAL IMPACT

2022-2023:
Organization-wide



Our Mission

Our Mission is to ignite scientific curiosity in children so that they question intelligently; learn through discovery; connect scientific knowledge to their world; are excited about science, technology, engineering and math; and have their interest in careers in those fields piqued.

Our Vision

Our Vision is for all young Canadians to be actively engaged in the seeing, doing and understanding of science.

Join our newsletter!

Stay connected and be the first to know about new workshop topics being launched.

We are grateful to have engaged 277,000 children this year through investigative hands-on STEM experiences, opening the wonders of science, engineering, technology, and math!



490

Communities across Canada



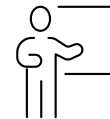
277,000

Children and youth inspired through workshops



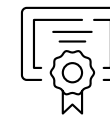
6,200

Online classroom and community workshops delivered



860,000

Face time minutes of investigation



10,000,000+

Young scientists inspired since 1989!

