




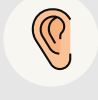
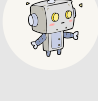
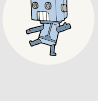





SCIENCE EAST

2021-2022 School Programming

PROGRAM OFFERINGS 2021

Workshop	PreK	K	1-2	3-5	6-8	9-12	Details
 Bubbles & Balloons	✓	✓	✓				Bubble over with enthusiasm while learning the science behind bubbles and balloons! Students will use their sense of sight and hearing to look at similarities and differences.
 Sensory Experience	✓	✓	✓				Access to our Early Childhood room with sensory and dramatic play activities that change monthly! Focus on teamwork and vocabulary building in this mess-friendly space! <i>Includes storytime.</i>
 Code-a-pillars	✓	✓	✓				Introduce your students to coding with this pattern-based activity! Students will focus on pattern recognition and repetition and sequencing, as they become empowered while using technology.
 Change Matters		✓	✓				Learn about physical and chemical changes in this hands-on sensory workshop! Students will use their senses to identify similarities and differences in materials, conduct a change, and work together to classify the materials.
 Skulls, Scat & Tracks		✓	✓	✓			How can we use things that animals leave behind to tell us about the animal? Join our educators as we identify New Brunswick animals based on the skulls, tracks, and scat.
 Sound		✓	✓	✓			Students will explore the world around them through their sense of hearing! Using decibel meters, students will learn about pitch, vibrations, and more!
 Botley		✓	✓	✓			Introduce your students to computational thinking with this screen free robot! Students will explore in partners as they work to navigate Botley through a maze, before moving on to more complex coding concepts.
 Ozobots		✓	✓	✓	✓	✓	Explore the world of coding with this screen-free activity! Students will work together to understand the limitations of the technology before creating an Ozobot community.
 Sphero Battles		✓	✓	✓	✓	✓	Time to robo-battle! Learn about the design process as students work in teams to plan, create, test, and redesign armour for robots!

PROGRAM OFFERINGS 2021

Workshop	PreK	K	1-2	3-5	6-8	9-12	Details
 Solids, Liquids & Gases			✓	✓	✓		Learn to identify solids, liquids, and gases based on observations and the changes that happen when they're mixed! Adjusted based on grade.
 Habitat			✓	✓	✓		How do animals adapt to their habitat? Students will use this knowledge to create a habitat appropriate for the animal of their choice - complete with food, water, shelter, and space.
 Invisible Forces				✓	✓		A shocking science demonstration about magnetism and electricity.
 Erosion				✓	✓		How is soil affected by water and wind? Students will learn about the impact of erosion as they create their own erosion barrier.
 Rocks & Minerals				✓	✓		Learn about the impact of non-renewable resources on our Earth using everyone's favourite snack - cookies!
 Structures				✓	✓		How do shapes play a role in structures? How do engineers test their designs? Students will learn all this and more as they create their own structures using the materials and parameters provided by educators.
 Simple Machines				✓	✓	✓	Explore the world of pulleys, wedges, wheels and axles, levers, inclined planes, and screws as students use these simple machines to accomplish assigned tasks.
 Optics					✓		An illuminating experience with visible and invisible light.
 Ecosystem Adaptations					✓		Create an organism that can thrive in the ecosystem presented in the environment.
 Circuits					✓		Students will discover the interaction between software and hardware as they use Arduino to complete circuits and follow the path of electricity.
 Mystery Box					✓		Learn how remote sensing is used to map out the Earth's crust.

2021-2022 Workshop Offerings



Pricing

\$6.00 per student

EAs Free

1 Free teacher/chaperone for every 5 students

**For booking inquiries,
please contact us:**

science@scienceeast.nb.ca

(506) 457-2340

** In-centre bookings includes time to explore the centre

** Outreach bookings may include additional travel costs

2021-2022 STEM Kit Bookings

K-2

BeeBots - Discover the world of bees with this pattern replicating, computational thinking STEM kit.

Ozobots - Use line following robots to answer your math problems, create a community, and more!

Composting* - Learn all about compost and recycling while setting up a system for your school!

3-5

Micro:Bit - Explore the connection between hardware and software as you use provided materials to conduct experiments around your school.

Sphero* - Use these spherical robots to learn about engineering.

Sound- Explore the level of sound in your school!

Simple Machines - Can you make a machine to move an object from one point to another?

Energy* - How does energy affect your life? Find out with these activities!

**Available in November*

Two week booking, at NO COST!

Science East drops the kit off and picks it up! Science East is available for virtual aid.



Included:

- Lesson Plan
- Extension Activities
- Curriculum Connections
- Story
- Necessary Materials

6-8 *[coming soon]*

Digital Citizenship

Water Systems

Urban Planning

2021-2022 Program Offerings



Planetarium



Grades K-12

Contact for pricing

Planetarium bookings are available at the Science Centre. Contact for details!

Travelling Exhibits

Contact for pricing

Experience our exhibits from your school or organization!

Science Fairs

Contact for more information

Interested in starting a science fair at your schools? Unsure of where to start? Have experienced educators come and guide you through the process.

Professional Development

Contact for pricing

For over twenty years, Science East has offered interactive professional development workshops for educators. Participants experience inquiry-based activities in a manner similar to how students experience them. This provides time for educators to play, test activities, and understand how inquiry-based instruction can be implemented in their own classroom. Sessions range from 1 hour to a full day.

Envirothon NB

Contact for more information



Envirothon creates a forum for middle and high school students to explore environmental issues from a variety of viewpoints with their peers, natural resources professionals and community leaders.

The program can supplement environmental, earth science and climate action education inside and outside the classroom.

Participants gain valuable knowledge and training in ecology and natural resource management principles and practices while linking to the SDGs and Global Competencies.



Interested in starting a team or teaching environmental topics? Visit [EnvirothonNB.ca](https://www.envirothonnb.ca) or contact Becky.Geneau@scienceeast.nb.ca

**Contact us for more
information!**

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