



MNS²

MUSÉE NATURE SCIENCES
SHERBROOKE

EDUCATIONAL ACTIVITIES

2018-2019

www.mns2.ca



The dynamic team of the Sherbrooke Nature and Science Museum presents activities that are fun, interactive, educational, and adapted to children’s ages.

Whether you are a teacher, a day-care service provider, or an early childhood educator, take advantage of:

- a guided tour of the current temporary exhibition;
- a guided tour of the permanent exhibition, *AlterAnima*;
- the multisensorial show, *Terra Mutantès*;
- an educational workshop.

This same team welcomes you to the Maison de l’eau at Parc Lucien-Blanchard, where many discoveries await.

Each 60-minute tour focuses on some aspects of essential knowledge established by the Ministère de l’Éducation et de l’Enseignement supérieur.

To book a tour at the Museum or the Maison de l’eau, or for more information, please contact us at 819-564-3200, ext. 251 or email: anne-marie.robitaille@mns2.ca

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WELCOME
NATURE AND SCIENCE MUSEUM

TEMPORARY EXHIBITIONS

Educational activities are available for each of the temporary exhibitions and for all ages.

THE SCIENCE OF ROCK'N ROLL

Hearing music... through science!

EXCLUSIVE QUEBEC PRESENTATION

FROM JUNE 6 TO OCTOBER 8 2018

Be ready for a highly interactive exhibition that has nothing to do with science exhibitions you've seen until now. It's all about the perfect collaboration between science and rock'n roll! It's art, engineering and maths behind the soul of rock and music creation. Play the rock star! Try the recording booth, play an epic solo on the drums and electric guitar!

It's a rock'n roll exhibition, don't miss the show!

© Science of Rock'N Roll, 2012 Elevation Productions

ALLERGIES GET PEOPLE TALKING!

FROM OCTOBER 18 TO JANUARY 7, 2019

More than one person in four is affected by allergies in Canada. By 2050, it is estimated to increase to one in two. Not surprising that we talk about them so much! Indeed, it's in our own interest to understand them better. What are they really? What happens in the body during a reaction? Why are certain people allergic and others not? How to better cope with them?

ILLEGAL KILLER TRADE

FROM JANUARY 12 TO MAY 2019

Offer yourself an exotic travel and the chance to live a very particular shopping experience. After choosing your destination at the travel agency, pack your luggage and go through the airport's customs where you will receive information to guide your souvenir shopping. Enter a bazaar where animals are at the basis of many products: ornaments, clothing, fashion accessories, remedies, pets, food... All will be tempting and you will be confronted to make choices. Beware: a luggage detector sensitive to endangered species awaits you at customs on your way back home!

With its unique collection of objects seized by Canadian customs, *Illegal Killer Trade* is the perfect occasion to increase your awareness to international animal trade through a funny and exotic visit experience.



PERMANENT EXHIBITIONS



TERRA MUTANTES A MULTISENSORY SHOW

Enjoy a unique multimedia show while you discover how the topography of our region changed over millennia: you'll find yourself in the middle of the formation of the Appalachians, cross fields of lava, and feel cold and hot.... In short, you'll never see the landscape of the Eastern Townships the same way again!

This activity includes an introduction adapted to all ages, from elementary to high school.

alter@nima
UNEXPECTED ENCOUNTERS

ALTERANIMA

Don't expect an ordinary exhibition! In this fantasy forest, hundreds of animals are assembled watching in unexpected ways, visitors. Dare to visit the secret room and discover what is hiding in the tree trunks. Animals from here and away will captivate and surprise visitors of all ages.

Many educational activities for all levels of students are offered in this exhibition. Find them under the name "alter@nima."

SCHOOL ACTIVITIES

EARLY CHILDHOOD AND KINDERGARTEN (Ages 4-5)

BABY GROWS UP alter@nima

Children are entrusted with a stuffed baby animal. Did it grow in its mother's tummy or inside an egg? If we invited this animal to a picnic, what would it eat? How does it move around?

KINDERGARTEN (Ages 5-6)

BON APPÉTIT! alter@nima

Let's eat! It's lunch time for the animals, but who eats what? Each child must prepare a meal for an animal from the exhibition. Together, they will discover the different diets of each creature.

FASCINATING FOSSILS

Workshop

Witnesses of a past life, fossils reveal many secrets, from the biggest dinosaur to the smallest snail! Impersonating a paleontologist, children dive into this fascinating world and analyse footprints that lead them to former life forms.

ELEMENTARY CYCLES 1, 2, AND 3

VISIT THE MAGOG RIVER GORGE

Field trip

What better way to learn more about the geology, history, flora and fauna of the Magog River than by strolling along its trails and footbridges, in the heart of our urban nature?

SCHOOL ACTIVITIES (continued)

ELEMENTARY CYCLE 1

A QUESTION OF CLASSIFICATION

alter@nima

How do biologists classify the wildlife that inhabits our planet? What distinguishes a bird from a reptile? Are insects animals? With the help of a stuffed toy, the children go in search of an animal. With their new knowledge, will they know how to classify it?

BUGS & CO.

alter@nima

You said arthro-what? Arthropods, these bugs that crawl underground, buzz in our ears, and hide in our gardens. Discover insects, spiders and other bugs.... Will children dare to see the world through insects' eyes?

NATURAL COLLECTIONS

Workshop

How do young people classify objects from their collections at home? By colour, shape, size? How is it done in biology? There's nothing like learning to be able to understand. A treat awaits afterwards: a tour of the museum's collections!

ANIMALS' ADAPTATIONS

BACK!

Workshop

How clever is nature! Animals compete in terms of shape, color and originality. It's often one of their weirdest characteristics that enables them to survive in their habitat. Surprises guaranteed!

ELEMENTARY CYCLE 2

UNKNOWN DESTINATION

alter@nima

Aboard an imaginary ship, students stop over a mysterious island to discover an astonishing fauna with its colors, shapes and contrasts. Through their observations, they will become true explorers.

MISSION: ANIMALS IN DANGER **NEW!**

alter@nima 4th grade

Students will be entrusted with a mission: identify the dangers linked to human activity and that threaten animal species. To ensure they complete their mission, we'll share all our scientific knowledge. Students will become secret agents working for the environment!

QUEBEC IN THE DAYS OF THE FIRST NATIONS

Workshop and in-class activity

Who were the First Nations who inhabited Quebec before the arrival of Jacques Cartier? How did they live, and how did they get around? What better way to understand the ways of the Algonquin and Iroquois circa 1500 than by handling objects from their daily lives?

ELEMENTARY CYCLES 2 AND 3

STOPS AROUND THE WORLD

Workshop and in-class activity

Students hop aboard for a travel around the world. In a submarine or a plane, through enigmas and observations, the crew goes off to meet with animals and observe their adaptations, all more surprising than the others.

THE BIRD

Workshop

Students discover the characteristics of these animals, starting with a quiz, and touching the different parts of birds. Will the children be able to guess what and how birds eat, how they have adapted, and the relationships that these feathered animals have with their environment?

OUR MAMMALS

Workshop

What is a mammal? By comparing numerous natural specimens, the students will deduce the characteristics of these animals and discover those living in Eastern North America.

THE MUSEUM'S LAB

Workshop

Through various interactive activities, students come up with questions, develop hypotheses, and reflect on the principles of the law of conservation of energy.

ELEMENTARY CYCLE 3

THE MINERAL WORLD

Workshop

Students will be introduced to the captivating universe of minerals, where even the most ordinary rocks can have unusual characteristics. Some of them are the most useful in making everyday objects. In this workshop, children handle objects and learn how to identify rocks and minerals.

THE SOLAR SYSTEM

Workshop

As scientists for an international space agency, the students discover and compare the main celestial bodies that compose our solar system. At the end of the workshop, a quiz will have them turning their eyes to the sky.

GRAB YOUR TROWELS! FIRST NATIONS ARCHEOLOGY

Workshop

How do archeologists reconstruct the history and ways of life of the First Nations before the arrival of Europeans? Young visitors will discover artifacts during a simulated dig and, like detectives, will interpret the findings to determine the activity associated with the object.

WORLD AND BIOMES

alter@nima

Why is it that some animals only live in certain environments? Why do some plants only grow in a specific place? By taking measurements, students will learn about different terrestrial biomes and the distribution of biodiversity on Earth.

SECONDARY ACTIVITIES

SECONDARY CYCLE 1

WORLD AND BIOMES alter@anima

Why is it that some animals only live in certain environments? Why do some plants only grow in a specific place? By taking measurements, students will learn about different terrestrial biomes and the distribution of biodiversity on Earth.

ALL SECONDARY CYCLES

SECRETS OF THE SEDUCER alter@anima

How do coral reproduce? What are birds' shimmering colours and cervids' antlers for? Seduction in the animal world is an art. Observations and an interactive quiz enable students to decode all of these mysteries.

CAREER VISIT

Young people have an opportunity to explore the non-public parts of the Museum, and by meeting different members of our team, learn about jobs related to museology (researcher, curator, designer, wood workers, educator, etc.).



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© : Musée de la nature et des sciences

DAY-CARE ACTIVITIES

Ages 5-11

ANIMAL LOCOMOTION

Workshop

Are children ready to run, jump, crawl or even fly like animals do? Careful! They might be surprised by the locomotion performances and strategies that they've developed! On your marks, get ready, set, go!

Ages 5-7

BETWEEN EARTH AND SKY

alter@anima

A very old Druid is called upon to find a living habitat for animals before they are catapulted into the real world. While the Druid is away, the children are given training to replace him. Will they pass the test and be able to make the right choices of water, air, trees, or ground?

Ages 7-11

MYSTERIOUS FUR BALL

alter@anima

Dispatched on the trail of the Master of the Realm, the children become detectives! What is this mysterious creature? Is it an excellent hunter or a peaceful herbivore? In this activity, curiosity is piqued, and young people lead the investigation.

Children in day-care groups will also enjoy the multisensory show Terra Mutantès, as well as entertaining tours of our temporary exhibitions.

ESSENTIAL KNOWLEDGE ASSOCIATED WITH ACTIVITIES

The educational activities and workshops are linked to the learning content in the fields of mathematics, science, and technology described in the Québec Education Program.

▲ Early childhood ▲ Kindergarten ● Elementary cycle 1 ● Elementary cycle 2 ● Elementary cycle 3 ■ Secondary cycle 1 ■ Secondary cycle 2

	LEVEL	ACTIVITY	ESSENTIAL KNOWLEDGE OR SKILLS	PAGE
MUSEUM	MUSEUM			
	▲▲●●●●■	Terra Mutantès	Describe the main surface structures of the Earth (continents, oceans, ice caps, mountains, volcanoes).	4
	▲	Baby Grows Up	Distinguish the different types of embryo development (viviparous for most mammals; oviparous or ovoviviparous for the rest).	4
	▲	Bon appétit!	Associate familiar animals with their diets (carnivore, herbivore, omnivore).	4
	▲	Fascinating Fossils	Build one's understanding of the world (preschool competence) Distinguish a fossil (or a trace of the living world) from a rock.	4
	●●●	Visit to the Magog River Gorge	Describe certain natural phenomena (e.g. erosion). Describe methods developed by humans to transform renewable sources of energy into electricity (hydroelectric dam).	4
	●	Question of Classification	List animals according to their classification (mammals, reptiles, birds, fish, and amphibians).	5
	●	Bugs & Co.	Associate anatomical parts and systems with their primary functions.	5
	●	Natural Collections	Describe various kingdoms (micro-organisms, fungi, plants, animals).	5
	●	Animals' Adaptations	Describe physical characteristics that witness an animal's adaptation to its habitat.	5
	●	Destination Unknown	Describe the physical characteristics that demonstrate an animal's adaptation to its environment. Describe the impact of human activity on their environments.	5
	●	Mission: animals in danger	Describe physical characteristics that witness an animal's adaptation to its habitat. Describe the impacts of human activity on its environment.	5
	●	QC in the Days of the First Nations	Social Sciences Iroquois and Algonquin society circa 1500.	5
	●●	Stops around the world	Explain animal adaptations that increase their chances of survival.	5
	●●	Birds	Associate animals' anatomical parts and systems with their primary functions.	5
	●●	Our Mammals	Describe the physical characteristics that demonstrate an animal's adaptation to its environment.	5
	●●	The Museum's Lab	Describe the different forms of energy (mechanical, electrical, light, chemical, caloric, sound, nuclear). Describe the transformations from one form of energy to another.	5
	●	The World of Minerals	Distinguish a rock from a mineral. Describe the shape, colour, texture, and various other physical properties of an object (e.g. elasticity, hardness).	5
	●	The Solar System	Describe the characteristics of the main bodies in the solar system (e.g. composition, size, orbit, temperature).	5
	●	Grab Your Trowels! First Nations Archeology	Social Sciences Iroquois society between 1500 and 1745. Learn how it functioned within its territory.	5-6
●■	World and Biomes	Explain how animals adapt to increase their chances of survival. Appropriately use simple measuring instruments (thermometer). Name 6 characteristics that define a habitat (climate, flora, fauna). Describe the habitats of certain species.	6	
■	Secrets of the Seducer	Explain the physical and behavioural adaptations that increase animals' chances of survival. Explore the process of natural selection.	6	
■	Career Visit	Explore the world of careers.		
MAISON DE L'EAU	MAISON DE L'EAU			
	▲▲●●●●	Little Marsh Monsters	Describe the physical characteristics that demonstrate an animal's adaptation to its environment. List animals according to their classification (reptiles and amphibians). Describe the changes in appearance of animals that undergo a metamorphosis (e.g. frog).	9
	▲	Follow the snail	Cognitive, physical and motor dimensions	9
	●	Urban Jungle	Describe the interactions between living organisms and their environments (habitats) and interactions between humans and their environments.	9
●●	The Call of the River	Describe various impacts of water quality on living organisms. Appropriately use measuring instruments (e.g. thermometer).	9	



© : Aurélie Gautier



LA MAISON DE L'EAU
LUCIEN BOUCHARD PARK

MAISON DE L'EAU ACTIVITIES

Regular duration of activities: 45 to 60 minutes. Day camp 45 minutes.



The Maison de l'eau, located in Parc Lucien-Blanchard, is home to living treasures: frogs, turtles, snakes, and fish that observe you from their new settings. It's an ideal place to see the region's species up close. The Maison de l'eau has three levels from which you can discover local wildlife. Come watch birds from the "cabane d'en eau!" Several educational activities are also offered.

SCHOOL ACTIVITIES

ALL ELEMENTARY CYCLES

LITTLE MARSH MONSTERS

Are you familiar with the salamanders, frogs, turtles, and snakes that live in the Estrie region? There are many amphibians and reptiles, and some of them dwell at the Maison de l'eau. Young people will discover the differences between these two groups of animals and will have an opportunity to touch some of them. If time permits, we'll go off in search of them on the trails in Lucien-Blanchard Park.

ELEMENTARY CYCLE 1

URBAN JUNGLE

As cities become ever bigger, some animals have to learn how to live alongside us. The students will become observers and track down some of our furry and feathery neighbours. If time permits, the students will go off in search of the traces that some of them may have left along the trails.

ELEMENTARY CYCLES 2 AND 3

THE CALL OF THE RIVER

Each river has its secrets, even the Magog River! What is hidden beneath the surface? What is a river for? Water quality is very important for many species. If time permits, the young people can conduct experiments outdoors to assess it.

DAY CAMPS AND DAY-CARE CENTRES

AGES 5-10

BUGS, BUGS EVERYWHERE!

Insects are so small that sometimes we forget they exist! What are their roles? How do they manage to be so inconspicuous? If time permits, the children will head out in teams, equipped with nets, to hunt insects and try to identify their catches before releasing them.

AGES 7-11

FISHING STORY

In a fun-filled atmosphere, the children will learn how to use a fishing rod, as well as how to identify some of the fish species that live in the Magog River.

ENIGMATIC CREATURE **NEW!**

At night fall, unexplained phenomena take place at the Maison de l'eau. A stange creature spreads mystery. Young detectives are needed! Are their senses sharp enough to discover what this strange creature looks like? Can they decipher the clues? A great challenge!

EARLY CHILDHOOD

AGES 4-5

NEW!

FOLLOW THE SNAIL

Following a snail and its spiral house, children discover the shapes and patterns hidden here and there in nature, from an animal's fur to a frosted window. The patterns of the animals living at the Maison de l'eau are examined throughout, for the most curious. Unexpected shapes will surprise them, shapes that even inspire great architects!



PRACTICAL DETAILS

LUNCHES AND SNACKS

If you plan to be onsite for lunch, the Museum will provide outdoor and indoor dining areas for groups.

FINANCIAL SUPPORT

CULTURE AT SCHOOL

The Culture at School Program, managed by the Ministère de la Culture et des Communications and the Ministère de l'Éducation et de l'Enseignement supérieur, reimburses a portion of the transportation fees for youth who participate in a program of a cultural nature.

Contact your local school board for details.

SPECIAL STS RATES

The Société de transport de Sherbrooke (STS) offers special rates to school groups from the Commission scolaire de la Région-de-Sherbrooke (CSRS).

Contact the STS at 819-564-2687 for more information.

CULTURAL DEVELOPMENT SUPPORT PROGRAM

The cultural development support program created by the Commission scolaire de la Région-de-Sherbrooke (CSRS) and the Ville de Sherbrooke reimburses the transportation and entrance fees to eligible cultural organizations.

Contact the CSRS for more information.

MUSEUM BOUTIQUE

Take some time to discover our boutique. Unearth interesting souvenirs of your visit or an original gift. You'll find a unique collection of jewelry in natural stone, minerals, and semi-precious gems from several countries.

People of all ages will find entertaining games and adorable stuffed animals. Our selection of products from Quebec and the Estrie region will have something to please everyone and to fit every budget.



TEAM, RATES, CONTACT INFORMATION



Fanny



Marie-Claude



Aurélie



Valérie



Véronique



Eric



Katy



Anne-Marie

THE TEAM

Our dynamic and attentive team welcomes and invites you to discover these genuine wonders. For a reservation at the museum or the Maison de l'eau or for any question, please contact us at 819-564-3200, ext. 251 or email anne-marie.robitaille@mns2.ca

GROUP RATES APPLY AT THE MUSEUM AND MAISON DE L'EAU

SCHOOL RATES ^{*1}

Group: 20 students minimum

	Fee per participant
1 activity	\$5.00
2 activities	\$5.50
3 activities	\$6.00
4 activities	\$6.50
1 chaperone/5 children 	free

DAY CARE RATES ^{*1}

Group: 8 children minimum

	Fee per participant
1 activity	\$5.00
2 activities	\$5.50
1 chaperone/2 children 	free

* Plus taxes

- All fees are subject to change without notice.

1 Cancellations made less than one week before the activity date will be charged the minimum fee.

CONTACT INFORMATION

Nature and Science Museum

225 Frontenac St.
Sherbrooke, QC J1H 1K1
819-564-3200 | mns2.ca

Maison de l'eau

755 Cabana St., Parc Lucien-Blanchard
Sherbrooke, QC J1K 2M3
819-564-3200 | maisondeleau.ca

PAYMENT METHODS



MNS²

MUSÉE NATURE SCIENCES
SHERBROOKE

OUR MISSION

Inspire, fascinate and make accessible to each and all the discovery of nature, sciences, and the richness of our natural collections.

OUR VISION

Passionate and driven by a sustained desire for commitment and innovation to inspire interest in the nature and sciences to all, we envision becoming a leader in the design and production of exhibitions in Canada.

OUR VALUES

Creativity, **passion**, cooperation, **openness**, rigour.

Culture
et Communications
Québec 

Ville de
Sherbrooke

destination
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