



Educational Activities 2022-2023

Welcome

The world seems to have become accustomed to the virus that has hit the planet. Is this fedupitis, habit or resignation? We feel that people have an urgency to live and a desire to put all this tragedy far behind them. But is it really over? Only time will tell how we will live with the aftermath of this misadventure.

Programming and Customer team had to juggle with these uncertainties. Fortunately, despite the cancellations, delays, contaminations and all sorts of pirouettes, the vast majority of the museum's regular activities were put back on track. Some even exceeded expectations by surpassing the best pre-pandemic years.

It is in this context that you will find this year a new version of the educational brochure in a simplified format adapted to the different school cycles. We remind you how to create your visit by blocks of activities (4 maximum) or (depending on your preferences) how to opt for an off-site or even entirely virtual formula. In short, you can choose from fifteen fun, interactive and stimulating educational activities, built on the essential knowledge base of the Quebec Ministry of Education and Higher Education's learning progression program.

Whether you are a teacher, a daycare provider or an early childhood educator, a newcomer or a veteran, we work hard to ensure that you get the most out of your visit to the Museum of Nature and Science by choosing from our classics:

- An animated tour of the current temporary exhibition;
- A guided tour of the permanent exhibition AlterAnima - unusual encounters;
- The multi-sensory show Terra Mutantès;
- One or more of our many educational activities.

You should also know that the Maison de l'eau in Lucien-Blanchard Park always has many discoveries in store for you many discoveries in a fascinating environment that will awaken your spirits and pique your and arouse your curiosity!

Thank you for your confidence and we wish you a pleasant visit to MNS2!

Raphaël Bédard-Chartrand
Programming and Customer director



Raphaël

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To book an educational activity at the Museum or the Maison de l'eau, or for more information, please contact us.

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EDUCATIONAL ACTIVITIES
FOR ALL AGES ARE AVAILABLE
FOR EACH TEMPORARY EXHIBITION

Temporary Exhibitions

Archeology and criminal investigations

SEPTEMBER 24, 2022 TO JANUARY 9, 2023

The discovery of human bones raises all sorts of questions:

- Who did they belong to?
- How did the person die?
- What was their life like?

In the field and in the lab, bioarchaeologists help solve archaeological and forensic investigations. By analyzing human remains and other clues found at excavation sites and crime scenes, these scientists can piece together past events.

This interactive exhibition shines a light on the vital scientific role bioarchaeologists play in investigations that sometimes reveal crimes committed hundreds of years ago. It's also a chance to learn how the fields of funerary archaeology and forensic anthropology help commemorate significant events and advance major social causes.

Use what you learn during your visit to solve a case of your own!



Browns, whites, blacks : the bears of Canada

JANUARY 21 TO APRIL 24, 2023

This exhibition highlights these fascinating beasts admired by man for their strength and cunning, but also feared for the same reasons.

These mammals capable of standing upright have long been considered as the doubles of humans and the kings of animals.

Hunted and humiliated to the point of gradually disappearing from certain regions of the globe, the lord of the forests and ice reveals the secrets of his sensitivity to the disturbances of his environment. You will discover the conflicts of the cohabitation between man and bear and how the bear has become a true symbol of nature conservation.

This exhibition is produced by the Musée du Fjord, in partnership with the Zoo sauvage de Saint-Félicien and the Musée amérindien de Mashteuiatsh, and is made possible by the financial support of the Department of Canadian Heritage.



It's Circus Time!

13 MAY TO 4 SEPTEMBER 2023

It's Circus Time! shines a spotlight on the circus arts in Québec, from early pioneers such as Louis Cyr, street performers, and the first acrobat families to the modern day, with Québec circus companies making a splash internationally. The exhibition highlights seven Québec-based troupes—Les 7 Doigts, Flip Fabrique, Machine de Cirque, Cirque Alfonse, Cirque Éloize, Cavalia, and Cirque du Soleil. Featuring some 150 objects from 15 lenders, numerous video excerpts, archival images, and interactive elements, the exhibition takes visitors behind the scenes to learn about various circus disciplines and life on the road. For its grand finale, the exhibition revisits some high points of Québec circus.

This exhibition was produced by Pointe-à-Callière, Montréal Archaeology and History Complex, with financial support from the Gouvernement du Québec.



Permanent Exhibitions

Terra Mutantès. 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

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.

School group Activities, MNS²

Design your visit by choosing up to 4 activities:

- **An animated visit of the temporary exhibition of the moment**
- **The multisensory show Terra Mutantès**
- **An animated visit of the AlterAnima exhibition (several options available)**
- **An educational workshop (several options available)**

In the following pages, you will find the list of the animated visits of the permanent exhibition AlterAnima (their titles are in *blue*) and the educational workshops (their titles are in *black*). The duration of the activities presented at MNS2 varies from 45 to 60 minutes.

Some activities are also offered *online* (via the TEAMS platform) with the possibility of borrowing objects from the Comptoir-nature! The classroom must have an Internet connection, a large screen, a camera facing the students, a microphone so that they can ask questions and speakers.

Off-site activities allow you to have an educator in your classroom, but are only available to Eastern Townships classes from March to December. Finally, both types of activities are 45 minutes long.

LEGEND

TITLE Animated visit of AlterAnima

TITLE Educational workshop



Distance workshop



Off-site workshop

KINDERGARDEN

BABY GROWS UP

Fox cubs, baby mice, ducklings or eaglets, all baby animals are so cute! Some hatch out of an egg, others grow up in their mom's belly. Many resemble their parents, others not at all! This fun workshop explores the first days of these lovable little creatures.



*Only available in off-site format

BON APPÉTIT!

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

Witnesses to past lives, fossils can unveil all kinds of secrets, on the biggest dinosaur as on the smallest snail. Acting as a paleontologist, children dive into this fascinating world and analyze prints to go back to ancient life forms.



Animal figurines,
Fossil reproductions
Folioscopes
Miniature Puzzles

ANIMALS' ADAPTATIONS



The cold season, with its low temperatures and large snowfall, puts animals in danger. But these have more than one trick up their sleeve!



*Only available at distance

*Winter
only*

ELEMENTARY

ANIMALS' ADAPTATIONS

Cycle 1

Nature is so well done! Animals vie with each other in originality by their appearance and behaviour. Sometimes even it is their most bizarre characteristic that allows them to live in their environment. Surprises guaranteed!

VISIT THE MAGOG RIVER GORGE

All elementary cycles

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?

Field trip

A QUESTION OF CLASSIFICATION

Cycle 1

How do biologists classify the wildlife that inhabits our planet? What distinguishes a bird from a reptile? Are insects animals? This animation sheds light on the main characteristics of six animal classes.



Furs
Feathers
Cycle of metamorphosis of an insect.

BUGS & CO.

Cycle 1

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

Cycle 1

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!

UNKNOWN DESTINATION

Cycle 2

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

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

Cycle 2

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?



STOPS AROUND THE WORLD

Cycle 2 and 3

Students will embark on a voyage around the world. Through enigmas and observations, the crew does to meet the animals of our planet and their adaptations, each more surprising than the other.



THE BIRD

Cycle 2 and 3

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

Cycle 2 and 3

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.



a few anatomical parts of naturalized animals.

THE MUSEUM'S LAB

Cycle 2 and 3

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



ANIMATION FILM

Cycle 2 and 3

Traditional cartoon drawing techniques break down movement into a sequence of fixed scenes presented in a chronological order. With the help of a digital tablet and the StopMotion app, students will produce a short animation film and evaluate the quality of their final product and the potential of their technique.

BOTANY

Cycle 2 and 3

Today's apps allow the identification of many plants. Some use the principle of identification keys, others recognize the photographed flora. After an introduction on the anatomy of plants, students will identify different specimens with some of these apps.



HERBARIUM

Cycle 3

Students will discover the characteristics of an herbarium. Using a scientific identification method, they will identify a plant (flower or tree leaf).



THE MINERAL WORLD

Cycle 3

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

Cycle 3

Students will go discover the sun and planets. Depending on the level of knowledge of the group, the educator will allow them to deepen their knowledge of the characteristics of the main celestial bodies close to us.



GRAB YOUR TROWELS! FIRST NATIONS ARCHEOLOGY

Cycle 3

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

Cycle 3

Why is it that some animals only live in certain environments? Why do some plants only grow in a specific place? During the activity, student discover the different terrestrial biomes and the distribution of the earth's biodiversity.



SECONDARY

CHILD CARE AND DAY CARE

WORLD AND BIOMES

Cycle 1

Why is it that some animals only live in certain environments? Why do some plants only grow in a specific place? During the activity, student discover the different terrestrial biomes and the distribution of the earth's biodiversity.



SECRETS OF THE SEDUCER

All secondary cycles

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.



BABY GROWS UP

Ages 4-5

Fox cubs, baby mice, ducklings or eaglets, all baby animals are so cute! Some hatch out of an egg, others grow up in their mom's belly. Many resemble their parents, others not at all! This fun workshop explores the first days of these lovable little creatures.



BETWEEN EARTH AND SKY

Ages 5-7

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?

ANIMAL LOCOMOTION

Ages 5-11

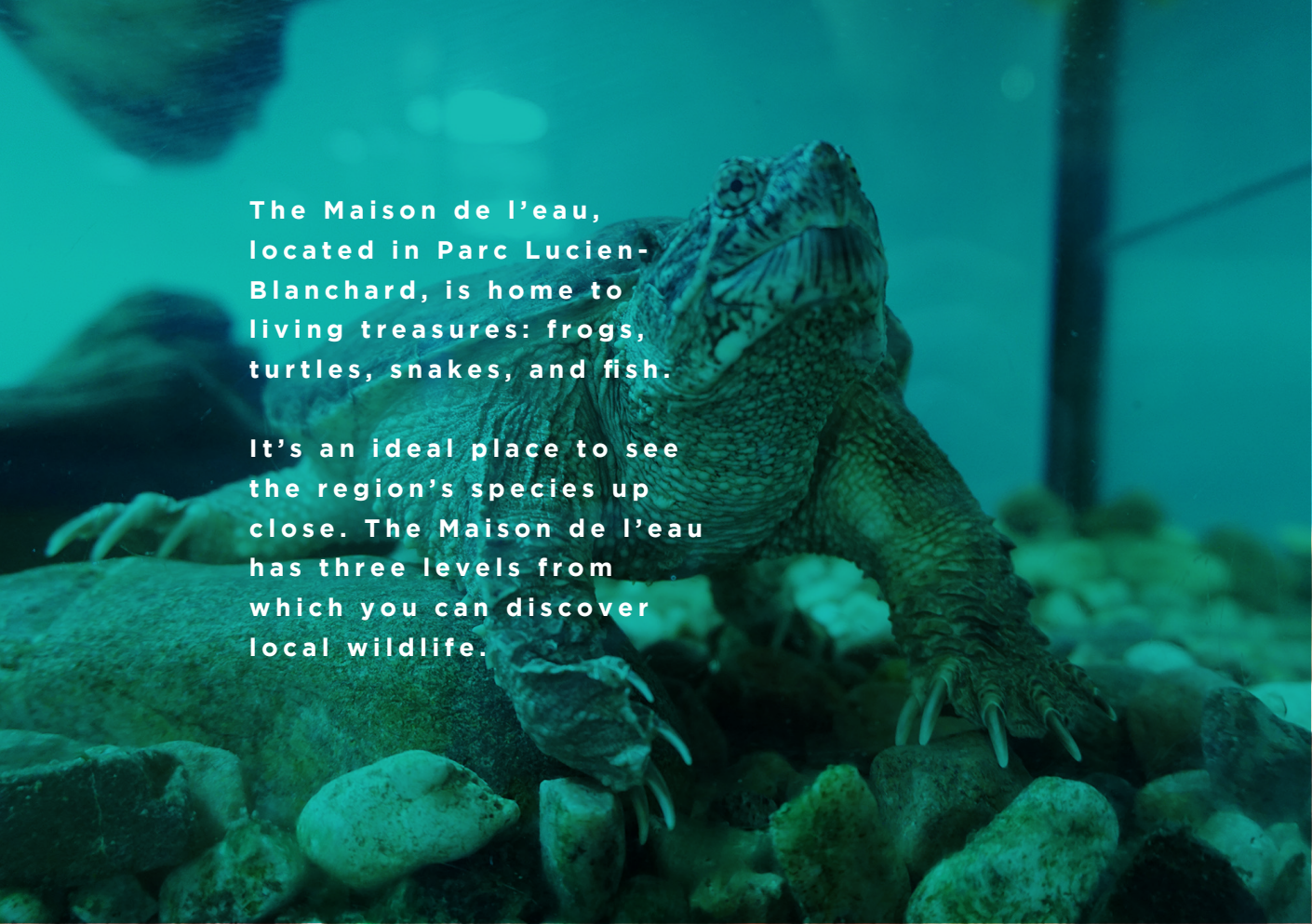
Are children ready to run, jump, crawl or even fly like animals do? Careful! They might be surprised by the locomotion performances and strategies that they've developed! On your marks, get ready, set, go!

MYSTERIOUS FUR BALL

Ages 5-11

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.



The Maison de l'eau, located in Parc Lucien-Blanchard, is home to living treasures: frogs, turtles, snakes, and fish.

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.

School activities

LITTLE MARSH MONSTERS

All elementary cycles

Salamanders, frogs, turtles and snakes in the Estrie region? Amphibians and reptiles are numerous here and some even have a home at the Maison de l'eau. Young ones discover the differences between these two animal groups and can even touch a few. If the forecast allows it, we go to meet them on the trails of the Lucien-Blanchard park.



URBAN JUNGLE

Elementary cycle 1

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 of in search of the traces that some of them may have left along the trails.

Maison de l'eau Activities

Day camps and day-care centres

BUGS, BUGS EVERYWHERE!

Ages 5-10

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.

FISHING STORY

Ages 7-11

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

Ages 7-11

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!

Essentiels 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	▲▲●●●■	TERRA MUTANTES	Describe the main surface structures of the Earth (continents, oceans, ice caps, mountains, volcanoes).	6
	▲▲	BABY GROWS UP	Distinguish the different types of embryo development (viviparous for most mammals; oviparous or ovoviviparous for the rest).	8
	▲	BON APPÉTIT	Associate familiar animals with their diets (carnivore, herbivore, omnivore).	8
	▲	FASCINATING FOSSILS	Build one's understanding of the world (preschool competence). Distinguish a fossil (or a trace of the living world) from a rock.	8
	▲●	ANIMALS' ADAPTATIONS	Describe physical characteristics that witness an animal's adaptation to its habitat.	8
	●●●	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).	8
	●	QUESTION OF CLASSIFICATION	List animals according to their classification (mammals, reptiles, birds, fish, and amphibians).	9
	●	BUGS & CO.	Associate anatomical parts and systems with their primary functions.	9
	●	NATURAL COLLECTIONS	Describe various kingdoms (micro-organisms, fungi, plants, animals).	9
	●	DESTINATION UNKNOWN	Describe the physical characteristics that demonstrate an animal's adaptation to its environment. Describe the impact of human activity on their environments.	9
	●	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.	9
	●	QC IN THE DAYS OF THE FIRST NATIONS	Social Sciences Iroquois and Algonquin society circa 1500.	10
	●●	STOPS AROUND THE WORLD	Explain animal adaptations that increase their chances of survival.	10
	●●	BIRDS	Associate animals' anatomical parts and systems with their primary functions.	10
	●●	OUR MAMMALS	Describe the physical characteristics that demonstrate an animal's adaptation to its environment.	10
	●●	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.	10
	●●	ANIMATION FILM	Art field. Realize media artistic creations and appreciate artworks, cultural objects from the artistic heritage, media images, their own realization and those of their classmates.	11
	●●	BOTANY	Describe the anatomy of plants (e.g.: parts of a plant) and the transformations of the living (plant growth).	11
	●	HERBIUM	Describe the anatomy of plants (e.g.: parts of a plant) and the transformations of the living (plant growth).	11
	●	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).	11
	●	THE SOLAR SYSTEM	Describe the characteristics of the main bodies in the solar system (e.g. composition, size, orbit, temperature).	11
	●	GRAB YOUR TROWELS! FIRST NATIONS ARCHEOLOGY	Social Sciences Iroquois society between 1500 and 1745. Learn how it functioned within its territory.	12
	●■	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.	12
	■■	SECRETS OF THE SEDUCER	Explain the physical and behavioural adaptations that increase animals' chances of survival. Explore the process of natural selection.	12
MH2O	▲▲●●●	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).	14
	●	URBAN JUNGLE	Describe the interactions between living organisms and their environments (habitats) and interactions between humans and their environments.	14

Practical Details

Our dynamic and attentive team welcomes and invites you to discover these genuine wonders.

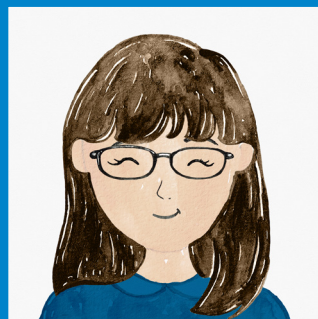
For a reservation at the museum or the Maison de l'eau or for any question, please contact us.

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anne-marie.robitaille@mns2.ca



Valérie



Anne-Marie



Katy



Geneviève

LUNCHES AND SNACKS

If the situation and sanitary measures permit it and if you plan on being onsite during lunchtime, the museum provides both an interior and an exterior lunch space for groups.

MUSEUM BOUTIQUE

Plan some time to explore our store and find interesting souvenirs of your visit or an original gift. Young and older ones will find magnificent minerals, fun games and cute stuffed animals. Our selection of Quebec's and regional products will please everyone and every budget!

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.

Visit [répertoire culture-éducation du Ministère de la Culture et des Communications](#) 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.

Rates

AT THE MUSEUM AND LA MAISON DE L'EAU

The rates for groups varies according to the number of activities:

	<i>Rates without taxes</i>	<i>Rates taxes included</i>
1 activity	7,00 \$	8,28 \$
2 activities	9,00 \$	10,35 \$
3 activities	11,00 \$	12,42 \$
4 activities	13,00 \$	14,49 \$

Regular groups

Minimum of 15 children per group (1 accompanying adult free of charge per 5 children).

CPE and special education classes

Minimum of 8 children per group (1 free accompanying adult free of charge per 2 children)



OUTSIDE THE WALLS WORKSHOP

\$125,00 + taxes (\$143,75) per workshop

Travel fees: \$10,00 + taxes in a 20 km radius or \$0,55 /km+ taxes



REMOTE WORKSHOP (WITHOUT OBJECT LOAN)

\$75,00 + taxes (\$86,25) per remote workshop

Add \$60,00 + taxes (68,99\$) per additional workshop the same day.

HOW MUCH DOES IT COST?



REMOTE WORKSHOP (WITH OBJECT LOAN)

100 + taxes (\$115)

This fee includes a membership card in the teacher's name

10% discount if you are already a member of the Museum!

All teachers who wish to participate in this experience must be members.

ALL RATES ARE SUBJECT TO CHANGE WITHOUT NOTICE

If you cancel or modify your reservation less than one week before the activity date, we will invoice you the minimum fee.

For cancellations or modifications of groups of more than 45 people, made less than one week before the activity, only 10% of the invoice will be subtracted.

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.