



naturally curious

2015-2016
Educational Activities



biodôme **insectarium** **jardin botanique** **planétarium rio tinto alcan**

Biodiversify your visit to Space for Life



biodôme **insectarium** **jardin botanique** **planétarium rio tinto alcan**



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TOOLS TO MAKE YOUR JOB EASIER

A **PORTAL** WHERE YOU CAN EASILY FIND THE INFORMATION YOU NEED



A **SEARCH ENGINE** FOR EDUCATIONAL ACTIVITIES



CONTENT TO PIQUE YOUR CURIOSITY



ALL DETAILS ON OUR **MAJOR EVENTS**



ACTIVITIES
FOR YOUR FREE TIME



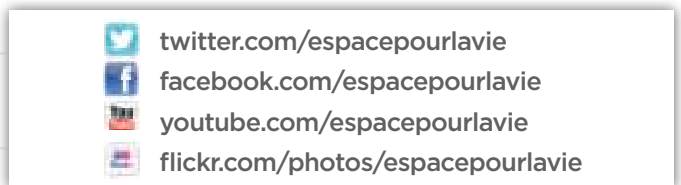
ARTICLES
BY OUR EXPERTS ON CURRENT EVENTS,
SCIENCE, THE ENVIRONMENT
AND CITIZEN INITIATIVES
espacepourlavie.ca/blogue/en



A **SCHOOL NEWSLETTER**



SOCIAL MEDIA
TO HELP YOU STAY IN TOUCH



MONTREAL SPACE FOR LIFE

Our teams have concocted a fabulous line-up of educational activities for you and your class. We're delighted to be able to offer you such a wide choice of activities, easily accessible at montrealspaceforlife.ca.

You'll be able to gather the information you need, answer your students' questions, get ready for a school outing or even plan a family outing!

The Montréal Space for Life mission of connecting humankind with nature begins with sharing this content - it's all yours!

DON'T MISS THESE GREAT ACTIVITIES!

Biodôme

CHALLENGE

(page 8)

All levels

On some pedagogical days, a very special CHALLENGE will be offered for daycare and school groups visiting the Biodôme. The students will have to identify as many animal and plant species appearing in the identification guide as they can. Nature interpreters who know all the secrets to finding even the best-hidden animals will be posted along the paths to help them with this CHALLENGE.

TROPICAL ADVENTURE 2

(page 8)

Preschool and elementary cycle one

NEW!

CAPY'S BIG DAY

Puppet show

Capys Big Day is a fun puppet show for young audiences created specially for the Biodôme, featuring animals from the tropical rainforest.



"BEAKS AND BANDAIDS" RESCUE CENTRE

Discovery area

Our younger visitors will enjoy this rescue centre, where they can pretend to be apprentice veterinarians and prepare food for the animals. They can also dress up as animals and burn off some energy on a play structure.

Insectarium

WHAT'S THAT BUG?

(page 11)

Activity - Elementary cycle one

Are you observant? If so, then you have everything you need to become an expert in classifying different "bugs" and recognizing which ones are insects.

HEROES YOU CAN COUNT ON!

(page 13)

Activity - Elementary cycle two

Insects have an invitation for you: join their team of Earth artisans! It's an attractive offer, because they are already doing so much for us! Come learn about the many roles of these heroes of nature, and how you can help them do their jobs.



1000 PLACES ON EARTH

(page 18)

Activity - Elementary cycle three

Insects live everywhere! On land, in and on the water and even in the most extreme conditions on Earth. Come on a trip around the world and see how they have adapted to all kinds of environments.

Botanical Garden

THE VEGETABLE GARDEN REVISITED

(page 12)

Workshop - Elementary Grade 1 and students with intellectual disabilities

In this workshop, students will get a close-up look at a plant from the vegetable garden. As they examine vegetable plants, they'll discover that broccoli is a flower and that they eat roots, themselves! A look at composting and micro-shoots will help them become urban gardeners. A guided tour of the greenhouses rounds out this activity. The secrets of vanilla, chocolate, chewing gum and many other foods will be revealed. Discover some roots - in the air - and a bark that's used to flavour pastries! All are certain to pique children's curiosity.

BIODIVERSITY ON OUR PLATES

(page 20)

Workshop - Secondary cycle one

Biodiversity is the basis of all food crops. It is essential for maintaining food security, ecosystems and crops everywhere. With this activity combining science, geography and language arts, students will learn about the importance of tropical food diversity for humanity.

LES ARBRES CLASSROOM KIT

(page 22)

Elementary cycle two and grade 5

Book an educational activity and borrow this kit for free. Discuss the characteristics, growing cycles and various uses of trees with your students in a concrete and engaging way.
IN FRENCH ONLY



DON'T MISS THESE GREAT ACTIVITIES!

Rio Tinto Alcan Planetarium

NEW!
DARK UNIVERSE
(page 16)

Show - Elementary cycles two and three and secondary

What is essential is invisible to the eye.

Dark Universe, produced by the New York Planetarium, shows us that on the infinitely large scale we still don't understand 90% of what makes up the Universe! Whether we're talking about dark matter, which is shaping clusters of galaxies even though we still can't detect it, or the dark energy that drives the accelerating expansion of our Universe although we still don't know exactly what it is, the most fundamental aspects of our Universe are still beyond our understanding.

NEW!
AURORAE
(page 16)

Show - Elementary cycles two and three and secondary

Fall, as the nights get longer, is a



great time to come see the new show *Aurorae*. The aurora borealis, or northern lights, seen from both Earth and space put on a magical display projected onto the immense dome at the Rio Tinto Alcan Planetarium. It's a unique immersive experience!

NEW!
PLUTO: CHRONICLES OF AN EX-PLANET
(page 16)

Show - Elementary cycles two and three and secondary

Exploration of our solar system will be the order of the day in 2015. *Pluto: Chronicles of an Ex-Planet* will be following the latest news from the New Horizons probe - which will be passing the dwarf planet for the first time ever in July. Pluto has always been an exception. Since it was discovered in 1930, it has motivated generations of observers to scrutinize and explore the Universe to enhance our understanding of our world.

ASTRO CAPSULES
(page 16)

Guided activity - Elementary cycles two and three and secondary

Come explore the solar system with a scientific interpreter who is passionate about astronomy. Discover the planets' characteristics, the phenomenal sizes of celestial objects and the astronomical distances between them! And why not take the opportunity to cook a little? Take part in an activity aiming to concoct ... a comet recipe!

NEW!
GET TO KNOW THE UNIVERSE
(page 15)

Combined guided activity and show - Elementary cycles two and three

Get the most out of your visit to the Rio Tinto Alcan Planetarium by exploring the planets in the solar system as part of a 45-minute interactive workshop and then watching the show *The Secret Phases of the Moon* in the Milky Way Theatre.

NEW!
WHAT'S A METEORITE HUNTER?
(page 19)

Guided activity - Elementary cycles two and three and secondary

These unusual detectives roam the deserts on different continents looking for rocks from space. In 2012 and 2013, their quest took three of them to a spot near the village of Beni M'hira, in southwest Tunisia, where they discovered over 100 fragments of a meteorite that had fallen a decade earlier. Some of these pieces were acquired by the Rio Tinto Alcan Planetarium. Come see them, and learn more about the secrets of meteorite hunters, in this new activity.

NEW!
ON THE TRAIL OF BENI M'HIRA
Exhibition

Pierre-Marie Pelé, Fabien Kuntz and Marie Gerbet boast that they have the world's greatest job: meteorite hunter. Learn about their experiences and their passion for their quest in this exhibition presenting some of their Tunisian finds.



This symbol indicates an outdoor activity.

Biodôme

TROPICAL ADVENTURE 2

Also offered for elementary cycle one



NEW!

CAPY'S BIG DAY

Puppet show

Capy's Big Day is a fun puppet show for young audiences created specially for the Biodôme, featuring animals from the tropical rainforest. Children are sure to enjoy the new adventures of Capy the capybara and his friends.

Length: 20 minutes
Capacity: 130 people
Dates: December 19 to February 7
Schedule: Every Thursday, 11 a.m.

"BEAKS AND BANDAIDS" RESCUE CENTRE

Discovery area

Our younger visitors will enjoy this rescue centre, where they can pretend to be apprentice veterinarians and prepare food for the animals. They can also dress up as animals from the Biodôme and burn off some energy on a play structure.

Length: 30 minutes
Dates: December 19 to February 7
Schedule: 9 a.m. to 2:30 p.m.

[NO RESERVATIONS REQUIRED]

CHALLENGE

Also offered for elementary and secondary

On some pedagogical days, a very special CHALLENGE will be offered for daycare and class groups visiting the Biodôme. The students will have to identify as many animal and plant species appearing in the identification guide as they can. Nature interpreters who know all the secrets to finding even the best-hidden animals will be posted along the paths to help them with this CHALLENGE.

Length: 90 minutes
Dates: November 27 and other dates to be announced
Schedule: 9 a.m. to 2 p.m.

[NO RESERVATIONS REQUIRED]

THE GREAT ADVENTURE

Kindergarten, age 5



Climb mountains, cross the oceans, explore the densest forests... what an adventure! Guided by nature interpreter "Sunshine," groups of young nature lovers will set out to discover the animals. Before visiting one of the ecosystems, they'll enjoy some hands-on activities and test their observation skills.

Length: 60 minutes
Capacity: 1 class (minimum 15, maximum 22 students)
Dates: October 6 to December 11, February 9 to 19 & March 8 to April 15
Schedule: 9:30 & 10 a.m.

Insectarium

POP CAPSULES

Also offered for elementary and secondary

Watch closely - some surprising characters who are passionate about insects will be popping up in the exhibition to share some well-guarded secrets with you!

Length: 10 minutes
Location: *We Are the Insects* exhibition
Dates: August 31 to June 15
Schedule: Available upon request

[NO RESERVATIONS REQUIRED]



INSECTS ON TOUR

Also offered for elementary and secondary

Come meet some insect superheroes and give them a friendly "leg shake"!

Length: 20 minutes
Location: *We Are the Insects* exhibition
Dates: August 31 to June 15
Schedule: 1:30 & 4 p.m.

[NO RESERVATIONS REQUIRED]

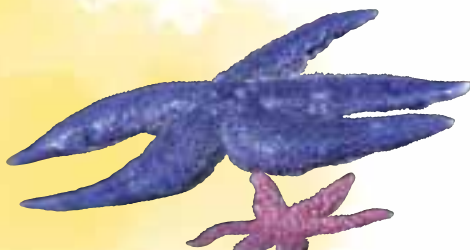
NATURALLY WELL MADE

Also offered for elementary and secondary

There's no doubt about it: Insects are marvellously designed machines, perfectly adapted to their environment. Come admire some of the tricks that make them inspiring models of efficiency we could learn from!

Length: 15 minutes
Location: Patte-à-patte room
Dates: August 31 to October 1 & April 26 to June 15
Schedule: 2:30 p.m.

[NO RESERVATIONS REQUIRED]



INSECTS IN WINTER

Also offered for elementary and secondary

How do insects manage to survive our cold winters? Learn about their many tricks!

Length: 15 minutes
Location: Patte-à-patte room
Dates: November 3 to April 22
Schedule: 1 & 2 p.m.

[NO RESERVATIONS REQUIRED]



BUG BITES BUTTERFLIES GO FREE

Also offered for elementary and secondary

Visit a greenhouse full of tropical butterflies and moths to learn about some of the behaviour of these fascinating insects. These short presentations are sure to catch your students' attention and spark their curiosity.

Length: 10 minutes
Location: Main Exhibition Greenhouse at the Botanical Garden
Dates: February 18 to April 24 (subject to change)
Schedule: 10 & 11 a.m., noon & 1, 2, 3 & 4 p.m.

[NO RESERVATIONS REQUIRED]

FOR HALLOWEEN



TRICKY SPIDERS

Also offered for elementary and secondary

Spiders are great hunters with lots of tempting ways. Just try to resist their charms...

Length: 15 minutes
Location: Patte-à-patte room
Dates: October 2 to 30
Schedule: 2:30 p.m.

[NO RESERVATIONS REQUIRED]

Botanical Garden

FOR HALLOWEEN



UN CADEAU POUR PÉPO: A HALLOWEEN STORY

Also offered for elementary cycle one and grade 3 (ages 4-8)

Where does Halloween come from? Throughout the show, the different characters will help Pépo figure out the sequence of events that led to today's celebration. IN FRENCH ONLY

Length: 30 minutes
Location: Auditorium
Dates: October 2 to November 1
Schedule: 1 to 4 shows a day, schedule available on our website

GROUPS: RESERVATIONS REQUIRED



ESMERALDA, THE FRIENDLY WITCH

Also offered for elementary cycle one and grade 3 (ages 4-8)

Our friendly witch is also an urban farmer and she proudly grows vegetables. Unfortunately, the growth spell she cast on her crop hit her hat, too! Come meet her in front of her huge hat-house!

Location: Main Exhibition Greenhouse
Dates: October 2 to November 1
Schedule: 9:30 a.m. to 8:30 p.m.

[NO RESERVATIONS REQUIRED]



GREAT PUMPKIN BALL EXHIBITION

Also offered for elementary

Your class can visit the exhibition and enter the pumpkin-decorating contest. Guaranteed fun and cash prizes to be won. Contest rules available on the Garden website.

Location: Main Exhibition Greenhouse
Dates: October 2 to November 1
Schedule: 9 a.m. to 9 p.m.

Contest deadline: October 12, 7 p.m.

[NO RESERVATIONS REQUIRED]



USING ALL YOUR SENSES TO DISCOVER PLANTS

Kindergarten, ages 5-6 – Also offered for students with intellectual disabilities and reception classes



Have fun using all your senses to learn about plants: their spectacular looks, their heady scents, their surprising textures, their exquisite tastes and even their intriguing sounds! The activity starts with a fun look at the senses and the plant world and continues with a tour of the greenhouses, where you'll see a trunk whose base is bigger than an elephant's foot, leaves that are spotted like a cheetah... an eyeful of shapes and colours!

Length: 75 minutes
Capacity: 2 classes
Location: Multipurpose rooms and greenhouses
Dates: March 9 to June 10
Schedule: 9:30 a.m. & 12:30 p.m.



Frédéric Back Tree Pavilion

Most activities take place indoors. For some activities, however, we may take the students outdoors into the Arboretum. So it's important for the children to be dressed appropriately for the weather (boots, raingear, gloves, etc.). That way everyone is sure to enjoy the outing.

Combine an educational activity of your choice with a complementary workshop on birds! Ask when you reserve.

THE SUGAR SHACK

Also offered for reception classes and students with intellectual disabilities

It's spring! Through games, rhymes and other fun, your youngest students will learn about the mysteries of the maple tree with Nektushash, a very special squirrel. Afterward, they'll head outdoors for a yummy treat!



Length: 45 minutes
Capacity: 1 class
Location: Frédéric Back Tree Pavilion
Dates: March 9 to April 22
Schedule: 9:30 & 10:30 a.m.
& 12:30 p.m.,
Wednesday to Friday

Activity sheet available

Rio Tinto Alcan Planetarium

The Rio Tinto Alcan Planetarium offers educational activities designed especially for elementary cycles two and three. We strongly recommend that younger students wait until they are a bit older before coming for their first activity.



Biodôme

TROPICAL ADVENTURE 2 CAPY'S BIG DAY and "BEAKS AND BANDAIDS" RESCUE CENTRE

See descriptions, page 8
Dates: December 19 to February 7

CHALLENGE

See description, page 8
Dates: November 27 and other dates to be announced

BIRD FEST

Also offered for elementary cycles two and three and secondary

You and your class are invited to try our bird-watching challenge. Using the identification guide provided and with the help of our ornithologist guides, how many of the more than 70 bird species in the ecosystems can you spot and identify? Don't forget your binoculars!

Length: 90 minutes
Dates: April 26 to May 15
Schedule: 9 a.m. to 5 p.m.

NATURALIA

Touching a beaver's fur, getting a close-up look at an alligator's teeth, testing your sense of smell – the Naturalia room is just full of things to discover! Your students will break up into smaller groups and carry out different activities along with some adult help to find out how animals are adapted to their environment. Another great way to learn about biodiversity!

Length: 90 minutes
Capacity: Between 15 and 60 students, or 1 or 2 classes from the same cycle
Dates: October 6 to December 11, February 9 to 19 & March 8 to June 10
Schedule: 9:45 a.m.



Insectarium

WHAT'S THAT BUG?



Are you observant? If so, then you have everything you need to become an expert in classifying different "bugs" and recognizing which ones are insects. But pay close attention! Just like young humans, young insects can play tricks on you!

Length: 45 minutes
Location: Patte-à-patte room
Dates: September 8 to October 1, November 3 to December 11 & January 12 to May 27
Schedule: 9:15 & 10:30 a.m.

POP CAPSULES

See description, page 8
Dates: August 31 to June 15

INSECTS ON TOUR

See description, page 8
Dates: August 31 to June 15

NATURALLY WELL MADE

See description, page 8
Dates: August 31 to October 1 & April 26 to June 15

INSECTS IN WINTER

See description, page 9
Dates: November 3 to April 22

BUG BITES BUTTERFLIES GO FREE

See description, page 9
Dates: February 18 to April 24 (subject to change)

FOR HALLOWEEN



TRICKY SPIDERS

See description, page 9
Dates: October 2 to 30

EDUCATIONAL EXPEDITIONS

These are three-part workshops led by a nature interpreter: an introduction, a supervised exploration of one ecosystem and a wrap-up activity. You can finish with a self-guided tour of the other ecosystems and exhibition spaces.

Length: 90 minutes
Capacity: 1 class (minimum 15 students)
Dates: October 6 to December 11, February 9 to 19 & March 8 to April 15
Schedule: 9:45 a.m. & 12:15 p.m.

There are four expeditions available for elementary cycle one:

Tropical Rainforest A PHOTO SAFARI IN THE TROPICAL RAINFOREST

Photography is a wonderful pastime, especially in the company of a photographer/explorer in the Biodôme's Tropical Rainforest, where an astonishing diversity of animals can be found! Your students will also learn about the characteristics of the main groups of animals.

Laurentian Maple Forest TRACKING ANIMALS

Your students will join a nature enthusiast and track some animals! The young explorers will follow the tracks and other clues all the way to the Laurentian Maple Forest.

Gulf of St. Lawrence ANCHORS AWEIGH ON THE ST. LAWRENCE

The captain and his crew will set off to discover the many worlds in the Gulf of St. Lawrence. His young sailors will observe the kittiwakes, anemones and sea stars, along with many kinds of saltwater fish.

Sub-Polar Regions PROFESSOR PENGUIN AND A JOURNEY TO THE POLES

Professor Penguin will take your students on an unusual trip to the Labrador coast and sub-Antarctic islands, to find the parents of the baby penguins and auks and learn how the Biodôme staff cares for them. They'll also play some games to introduce them to the Inuit culture and the true nature of the sub-polar regions.

Elementary Cycle One

/ Grades 1 & 2 /

Botanical Garden

FOR HALLOWEEN



UN CADEAU POUR PÉPO: A HALLOWEEN STORY GREAT PUMPKIN BALL EXHIBITION ESMERALDA, THE FRIENDLY WITCH

See descriptions, page 9

Dates: October 2 to November 1

GRAINES • SEEDS • SEMILLAS • 种子

Also offered for reception classes



This workshop offers a look at seeds from near and far. Take a trip around the world to find out where the seeds we eat come from. Examine a mung bean under a microscope for a close-up look at its tiny parts.

The activity continues with a visit to the Tropical Food Plants greenhouse. Cocoa and coffee beans and coconuts have one thing in common – they're absolutely delicious seeds! Have fun looking for the plants that produce them.

Length: 90 minutes

Capacity: 2 classes

Location: Multipurpose rooms and greenhouses

Dates: March 9 to June 10

Schedule: 9:30 a.m. & 12:30 p.m.

THE VEGETABLE GARDEN REVISITED

Offered for grade 1 and for students with intellectual disabilities

In this workshop, students will get a close-up look at a plant from the vegetable garden.

As they examine vegetable plants, they'll discover that broccoli is a flower and that they eat roots, themselves! A look at composting and micro-shoots will help them become urban gardeners. A guided tour of the greenhouses rounds out this activity. The secrets of vanilla, chocolate, chewing gum and many other foods will be revealed. Discover some roots – in the air – and a bark that's used to flavour pastries! All are certain to pique children's curiosity.

Length: 90 minutes

Capacity: 2 classes

Location: Multipurpose rooms

Dates: March 9 to June 10

Schedule: 9:30 a.m. & 12:30 p.m.

Frédéric Back Tree Pavilion

Most activities take place indoors. For some activities, however, we may take the students outdoors into the Arboretum. So it's important for the children to be dressed appropriately for the weather (boots, raingear, gloves, etc.). That way everyone is sure to enjoy the outing.

Combine an educational activity of your choice with a complementary workshop on birds! Ask when you reserve.



WOKSIS, THE LEGEND OF MAPLE SYRUP

Also offered for reception classes and students with intellectual disabilities

From Native wigwams to today's sugar shacks, maple syrup production has changed in many ways. The tradition and delicious taste remain the same, though! Children will play some games to learn to tell maple trees apart from other trees in the forest and how maple syrup has been made over the centuries.

Length: 60 minutes

Capacity: 1 class

Location: Frédéric Back Tree Pavilion

Dates: March 9 to April 22

Schedule: 9:30 & 10:30 a.m.

& 12:30 p.m.,

Wednesday to Friday

Activity sheet available

TREES UP CLOSE

Also offered for reception classes and students with intellectual disabilities

Here, students will learn all about trees, their needs and the important role they play for animals. Magnifying glasses in hand, the budding naturalists will identify, observe and discover different structures of deciduous and coniferous trees. A great way to make learning fun!

Length: 60 minutes

Capacity: 1 class

Location: Frédéric Back Tree Pavilion and Arboretum

Dates: October 1 to 30 & March 9 to June 10

Schedule: 9:30 & 10:30 a.m.

& 12:30 p.m.,

Wednesday to Friday

Activity sheet available

Rio Tinto Alcan Planetarium

The Rio Tinto Alcan Planetarium offers educational activities designed especially for elementary cycles two and three. We strongly recommend that younger students wait until they are a bit older before coming for their first activity.

Biodôme

CHALLENGE

See description, page 8

Dates: November 27 and other dates to be announced

BIRD FEST

See description, page 11

Dates: April 26 to May 15



EDUCATIONAL EXPEDITIONS

These are three-part workshops led by a nature interpreter: an introduction, a supervised exploration of one ecosystem and a wrap-up activity. You can finish with a self-guided tour of the other ecosystems and exhibition spaces.

Length: 90 minutes

Capacity: 1 class

(minimum of 15 students)

Dates: October 6 to December 11,
February 9 to 19

& March 8 to April 15

Schedule: 9:45 a.m. & 12:15 p.m.

There are **four expeditions** available for elementary cycle two:

Tropical Rainforest

LIFE IN MY TRIBE

Thanks to the shaman's powers, students are magically transformed into young Arawete Indians of Amazonia. Their mission is to explore the tropical forest and discover the best place to establish a new village for the tribe. It's a chance to understand not only the diversity of the Amazonian tropical rainforest, but also the close links between this natural environment and the cultural characteristics of the people who live there.

Laurentian Maple Forest

IN TUNE WITH THE SEASONS

Also offered for elementary cycle three

Spring, summer, fall, winter... As the seasons roll by, the forest awakens, flowers, bursts into blazing colour and sinks back into slumber.

NATURALIA

Even if you wanted to, it would be hard to see everything in this discovery room, because there are so many different ways to explore how animals are adapted to their environment! Discovery cards in hand, your students will become real experts in the adaptations of mammals, invertebrates, birds and reptiles.

Length: 90 minutes

Capacity: 15 to 60 students,
or 1 or 2 classes from the
same cycle

Dates: October 6 to December 11,
February 9 to 19

& March 8 to June 10

Schedule: 9:45 a.m.

As they explore the forest at the Biodôme, students will discover the close links between plants, animals and their environment.

Gulf of St. Lawrence

A SEA OF DISCOVERIES

Also offered for elementary cycle three

Head off in search of some fascinating marine species, in spectacular surroundings representing the Gulf of St. Lawrence. Through an exploration activity, your students will observe this rich habitat and learn about the importance of preserving this precious biodiversity. They will come up with solutions to the environmental problems facing this region, based on an ecocitizen approach. They will then be invited to pursue their efforts back at school.

Sub-Polar Regions

POLAR MISSIONS

Also offered for elementary cycle three

A scientist will lead students on two research missions. First they'll travel to a frozen island in Antarctica, where they'll learn about the species that live there, their food sources and their predators. Then they'll head North, to study the species on an island located off the coast of Labrador in the Canadian Sub-Arctic. Armed with their discoveries, they'll look at the possible impact of climate change on the biodiversity they've seen.

Insectarium

HEROES YOU CAN COUNT ON!

Insects have an invitation for you: join their team of Earth artisans! It's an attractive offer, because they are already doing so much for us! Come learn about the many roles of these heroes of nature, and how you can help them do their jobs.

Length: 45 minutes

Location: Patte-à-patte room

Dates: September 8 to October 1,
November 3 to December 11
& January 12 to May 27

Schedule: 9:15 & 10:30 a.m.

POP CAPSULES

See description, page 8

Dates: August 31 to June 15

INSECTS ON TOUR

See description, page 8

Dates: August 31 to June 15

NATURALLY WELL MADE

See description, page 8

Dates: August 31 to October 1
& April 26 to June 15

INSECTS IN WINTER

See description, page 9

Dates: November 3 to April 22

BUG BITES

BUTTERFLIES GO FREE

See description, page 9

Dates: February 18 to April 24 (subject to change)

FOR HALLOWEEN



TRICKY SPIDERS

See description, page 9

Dates: October 2 to 30



Elementary Cycle Two

/ Grades 3 & 4 /

Botanical Garden

FOR HALLOWEEN



**UN CADEAU POUR PÉPO:
A HALLOWEEN STORY
GREAT PUMPKIN BALL EXHIBITION
ESMERALDA, THE FRIENDLY WITCH**

See descriptions, page 9

Dates: October 2 to November 1



INSECT-EATING PLANTS

Insect-eating plants have developed fascinating ways of adapting. Handling, observing and comparing different plants will allow students to understand how these adaptations work. The educator will make them aware of the importance of protecting the habitats of these vulnerable plants. The activity includes a guided tour of the greenhouses. Certain kinds of plants, such as carnivorous plants, have developed strategies to adapt to their environment... how's that for bioengineering!

Length: 90 minutes

Capacity: 2 classes

Location: Multipurpose rooms and greenhouses

Dates: March 9 to June 10

Schedule: 9:30 a.m. & 12:30 p.m.

First Nations Garden

INTRODUCTION TO THE FIRST NATIONS

Enjoy a unique experience as you're carried off to the "land of peace" in the First Nations Garden. Gatherings are a central part of Native culture. First Nations peoples come together to celebrate bountiful harvests, births and reunions after long winters spent in the forest. Come celebrate in the heart of nature as you learn about past and present traditions among the First Nations!

Length: 60 minutes

Capacity: 1 class

Location: First Nations Garden

Dates: October 1 to 30
& May 18 to June 10

Schedule: 9:30 a.m. & 12:30 p.m.



COMBINED FORMAT

THE GREAT GATHERING

Combine INTRODUCTION TO THE FIRST NATIONS and IN THE LAND OF THE GIANT TREES

The First Nations have always maintained close bonds with the forest. The Frédéric Back Tree Pavilion and the First Nations Garden team up to celebrate these natural relationships. Your day of discovery will include two activities: *Introduction to the First Nations* and *In the Land of the Giant Trees*. These activities relate to the Science and Technology and Social Sciences programs. A very full day of time travel and multidisciplinary outdoor fun for your students!

Length: 4 hours

Capacity: 2 classes

Location: First Nations Garden, Arboretum and Frédéric Back Tree Pavilion

Dates: October 1 to 30
& May 18 to June 10

Schedule: 9:30 a.m. to 1:30 p.m.,
Wednesday to Friday



Frédéric Back Tree Pavilion

Most activities take place indoors. For some activities, however, we may take the students outdoors into the Arboretum. So it's important for the children to be dressed appropriately for the weather (boots, raingear, gloves, etc.). That way everyone is sure to enjoy the outing.

Combine an educational activity of your choice with a complementary workshop on birds! Ask when you reserve.

Free kit! (See page 22)

IT'S SUGARING-OFF TIME

Also offered for elementary cycle three

From Native wigwams to today's sugar shacks, maple syrup production may have changed, but the tradition and delicious taste remain the same!

Students will learn about the steps in producing maple products from sap. Then they'll conduct some experiments to find the intruder among the products tested. Detectives, get your taste buds ready!

Length: 60 minutes

Capacity: 1 class

Location: Frédéric Back Tree Pavilion

Dates: March 9 to April 22

Schedule: 9:30 & 10:30 a.m.
& 12:30 p.m., Wednesday to Friday

Activity sheet available



TRAVELLING FRUITS

What do a hot-air balloon, a hang-glider and a seed have in common? These inventions will introduce students to the original strategies trees have developed to colonize new spaces. They will play a game and learn about the surprising world of fruit and seeds.

Length: 60 minutes
Capacity: 1 class
Location: Frédéric Back Tree Pavilion
Dates: October 1 to 30
& March 9 to June 10
Schedule: 9:30 & 10:30 a.m.
& 12:30 p.m.,
Wednesday to Friday

Activity sheet available



TREE RALLY

See description, page 18
Dates: October 1 to 30 & May 18 to June 10

TREE QUIZ

A game, puzzles and a race against the clock. A perfect opportunity to test what you know about trees. Which tree grows fastest? How can a ring help you tell the age of a tree? Can you think of an object made out of wood whose name begins with “Y”? Teamwork is the key to success!

Length: 60 minutes
Capacity: 1 class
Location: Frédéric Back Tree Pavilion
Dates: October 1 to 30
& March 9 to June 10
Schedule: 9:30 & 10:30 a.m.
& 12:30 p.m.,
Wednesday to Friday

IN THE LAND OF THE GIANT TREES

Also offered for elementary cycle three and secondary one

Students will travel back to the 19th century, to the heyday of the brave raftsmen who risked their lives floating timber rafts down the St. Lawrence. They'll learn how white pines, those giant trees that once filled Quebec and Ontario forests, were used. A trip back in time and a tribute to loggers.

Length: 60 minutes
Capacity: 1 class
Location: Frédéric Back Tree Pavilion
Dates: October 1 to 30
& March 9 to June 10
Schedule: 9:30 & 10:30 a.m.
& 12:30 p.m.,
Wednesday to Friday

Activity sheet available

COMBINED FORMAT

THE GREAT GATHERING

Combine
INTRODUCTION TO THE FIRST NATIONS
and
IN THE LAND OF THE GIANT TREES

See description above and on page 14



Rio Tinto Alcan Planetarium

NEW!

GET TO KNOW THE UNIVERSE

Combined guided activity and show
Also offered for elementary cycle three
Get the most out of your visit to the Rio Tinto Alcan Planetarium by exploring the planets in the solar system as part of a 45-minute interactive workshop and then watching the show *The Secret Phases of the Moon* in the Milky Way Theatre.

Length: 1 hour 45 minutes (including a workshop and *The Secret Phases of the Moon*)
Capacity: 1 to 3 classes maximum, depending on availability
Dates: Wednesdays and Thursdays from September 9 to June 16
Location: workshop and show in the Milky Way Theatre
Schedule: 11:30 a.m.

THE SECRET PHASES OF THE MOON

Show

Also offered for elementary cycle three
Join our eclipse hunter for an adventure! Head into the future, to April 8, 2024, the date of the next total solar eclipse visible from Quebec. Using this extraordinary event as a starting point, your guide will amaze you with the beautiful dance of the Sun, the Earth and the Moon. Your students will become eclipse hunters in turn, as they explore the stars, the planets, the Moon and its phases and even the storytale world of lunar myths and legends.

We recommend doing the *Observe the Moon's Phases* classroom activity ahead of time. The activity sheet is available at espacepouurlavie.ca/en/complementary-activities.

Length: 40 minutes
Dates: Wednesdays and Thursdays from September 9 to June 16
Location: Milky Way Theatre
Schedule: 12:30 a.m.

EXO: OUR SEARCH FOR LIFE IN THE UNIVERSE

See description, page 19
Dates: September 8 to June 17

Elementary Cycle Two

/ Grades 3 & 4 /

NEW!

PLUTO: CHRONICLES OF AN EX-PLANET

Show

Also offered for elementary cycle three and secondary

Exploration of our solar system will be the order of the day in 2015. *Pluto: Chronicles of an Ex-Planet* will be following the latest news from the New Horizons probe – which will be passing the dwarf planet for the first time ever in July. Pluto has always been an exception. Since it was discovered in 1930, it has motivated generations of observers to scrutinize and explore the Universe to enhance our understanding of our world.

Length: 40 minutes

Dates: September 8 to November 6

Location: Milky Way Theatre

Schedule: Tuesdays and Fridays at 12:30 p.m.

NEW!

AURORAE

Show

Also offered for elementary cycle three and secondary

Fall, as the nights get longer, is a great time to come see the new show *Aurorae*. The aurora borealis, or northern lights, seen from both Earth and space put on a magical display projected onto the immense dome at the Rio Tinto Alcan Planetarium. It's a unique immersive experience!

Length: 40 minutes

Dates: November 10 to June 17

Location: Milky Way Theatre

Schedule: Tuesdays and Fridays at 12:30 p.m.

TEMPO

Show

Also offered for elementary cycle three and secondary

So many time scales.

For millennia, people lived their lives in harmony with the cycles of nature and the skies. Our modern lives have removed us from that reality. *Tempo* allows us to rediscover the cycles of the starry skies and takes us on a journey through a Universe that is evolving on mind-boggling scales. Once we've followed the stars across the sky in real time, explored the time cycles of the solar system and discovered atomic time, our perception of time on the scale of human life will be forever changed!

Length: 40 minutes

Dates: September 8 to June 17

Location: Milky Way Theatre

Schedule: 3:30 p.m.

Complementary activities

NEW!

DARK UNIVERSE

Also offered for elementary cycle three and secondary

What is essential is invisible to the eye.

Dark Universe, produced by the New York Planetarium, shows us that on the infinitely large scale we still don't understand 90% of what makes up the Universe! Whether we're talking about dark matter, which is shaping clusters of galaxies even though we still can't detect it, or the dark energy that drives the accelerating expansion of our Universe although we still don't know exactly what it is, the most fundamental aspects of our Universe are still beyond our understanding.

Developed by the American Museum of Natural History (New York, www.amnh.org) in co-operation with the California Academy of Sciences (San Francisco) and GOTO INC. (Tokyo).

Length: 25 minutes

Location: Chaos Theatre

Dates: September 8 to June 17

Schedule: 11:30 a.m. & 12 p.m.

ASTRO CAPSULES

Guided activity

Also offered for elementary cycle three and secondary

Come explore the solar system with a scientific interpreter who is passionate about astronomy. Discover the planets' characteristics, the phenomenal sizes of celestial objects and the astronomical distances between them! And why not take the opportunity to cook a little? Take part in an activity aiming to concoct... a comet recipe! Three different activities are offered in rotation all day long.

Length: 10 minutes

Location: The bleachers of the EXO exhibition

Dates: September 8 to June 17

Schedule: 10 & 11 a.m., noon & 1, 2, 3 & 4 p.m.

[NO RESERVATIONS REQUIRED]

VERTIGES

Show

See description, page 19

Dates: September 8 to June 17

NEW!

WHAT'S A METEORITE HUNTER?

Guided activity

See description, page 19

Dates: September 8 to June 17

[NO RESERVATIONS REQUIRED]



Biodôme

LA BIODIVERSITÉ DANS MON QUARTIER*



Two science interpreters from the Biodôme will visit your class to explain the importance of biodiversity. You'll head outdoors, where students will develop the competencies they need to identify the life in their neighbourhood. This workshop may be combined with an activity at the Biodôme, where they will find out about biodiversity around the globe. **IN FRENCH ONLY**

Only on the island of Montreal

In-class workshop

Length: 2 hours of activities per class, 2 classes per school (one in the morning, one in the afternoon)
 Dates: September 8 to October 2 & April 26 to May 27
 Schedule: 8:30 a.m. to 5 p.m., depending on your needs
 Cost: \$325 for 2 classes per school, payable to the Société des Amis du Biodôme (SABM)

*The school must have a green space nearby.

NATURALIA

Naturalia is a discovery room focusing on how animals and plants are adapted to their environment. During their visit, students will use the room like a research laboratory! They'll put their powers of observation to good use, compiling data on specific animals, taking measurements, making drawings and describing the animal they are studying.

Length: 90 minutes
 Capacity: Between 15 and 60 students, or 1 or 2 classes from the **same cycle**
 Dates: October 6 to December 11, February 9 to 19 & March 8 to June 10
 Schedule: 9:45 a.m.

CHALLENGE

See description, page 8
 Dates: November 27 and other dates to be announced

BIRD FEST

See description, page 11
 Dates: April 26 to May 15



EDUCATIONAL EXPEDITIONS

These are three-part workshops led by a nature interpreter: an introduction, a supervised exploration of one ecosystem and a wrap-up activity. You can finish with a self-guided tour of the other ecosystems and exhibition spaces.

Length: 90 minutes
 Capacity: 1 class (minimum of 15 students)
 Dates: October 6 to December 11, February 9 to 19 & March 8 to April 15
 Schedule: 9:45 a.m. & 12:15 p.m.

Four expeditions are offered for elementary cycle three:

Tropical Rainforest

AMAZONIAN EXPEDITION

Join our biologist as he explores biodiversity in the Amazon. He needs an enthusiastic team to help him gather as much information as possible, collect scientific data and conduct a survey of the endangered and threatened species in the Tropical Rainforest of the Americas.

Laurentian Maple Forest IN TUNE WITH THE SEASONS

See description, page 13

Gulf of St. Lawrence A SEA OF DISCOVERIES

See description, page 13

Sub-Polar Regions POLAR MISSIONS

See description, page 13



Elementary Cycle Three

/ Grades 5 & 6 /

Insectarium

1000 PLACES ON EARTH

Insects live everywhere! On land, in and on the water and even in the most extreme conditions on Earth. Come on a trip around the world and see how they have adapted to all kinds of environments.

Length: 45 minutes
Location: Patte-à-patte room
Dates: September 8 to October 1, November 3 to December 11 & January 12 to May 27
Schedule: 9:15 & 10:30 a.m.

POP CAPSULES

See description, page 8
Dates: August 31 to June 15



INSECTS ON TOUR

See description, page 8
Dates: August 31 to June 15

NATURALLY WELL MADE

See description, page 8
Dates: August 31 to October 1 & April 26 to June 15

INSECTS IN WINTER

See description, page 9
Dates: November 3 to April 22

BUG BITES BUTTERFLIES GO FREE

See description, page 9
Dates: February 18 to April 24 (subject to change)

FOR HALLOWEEN



TRICKY SPIDERS

See description, page 9
Dates: October 2 to 30

Botanical Garden

FOR HALLOWEEN



GREAT PUMPKIN BALL EXHIBITION

See description, page 9
Dates: October 2 to November 1

2015 VIRTUAL VOTE

Here's a chance for your students to put their critical skills to work, as they vote for the best decorated pumpkins. They'll have to pick their favourites and explain their reasoning, based on the contest selection criteria. There are sure to be some interesting discussions. Ready, set, vote!

Deadline for entries: October 12
espacepourelavie.ca/pumpkins

EXTREME COMBAT: LADYBUGS VS. APHIDS



Your students will act as research assistants and help out a scientific team as they conduct a biological control research project using insects. They'll observe insects to find out who will win the battle between ladybugs and aphids. They'll get some hands-on experience and learn to record scientific data.

Length: 90 minutes
Capacity: 2 classes
Location: Multipurpose rooms and greenhouses
Dates: March 9 to June 10
Schedule: 9:30 a.m. & 12:30 p.m.

Frédéric Back Tree Pavilion

Most activities take place indoors. For some activities, however, we may take the students outdoors into the Arboretum. So it's important for the children to be dressed appropriately for the weather (boots, raingear, gloves, etc.). That way everyone is sure to enjoy the outing.

Combine an educational activity of your choice with a complementary workshop on birds! Ask when you reserve.

Free kit! (See page 22)



TREE RALLY

Also offered for elementary cycle two

On your marks, get set, go! It's a hunt through the Botanical Garden's tree collection. In the Arboretum, students will hunt for puzzles hidden in the trees and try to solve them. This race against the clock will let them run around as they learn about trees and sharpen their observation skills.

Length: 60 minutes
Capacity: 2 classes
Location: Arboretum
Dates: October 1 to 30 & May 18 to June 10
Schedule: 9:30 & 10:30 a.m. & 12:30 p.m.,
Wednesday to Friday



IN THE LAND OF THE GIANT TREES

See description, page 15
Dates: October 1 to 30 & March 9 to June 10



IT'S SUGARING-OFF TIME

See description, page 14
Dates: March 9 to April 22





Rio Tinto Alcan Planetarium

EXO: OUR SEARCH FOR LIFE IN THE UNIVERSE

Exhibition • Self-guided tour

Also offered for elementary cycle two and secondary

How did life appear on Earth? Does life exist elsewhere in the Universe? The interactive digital exhibition *EXO: Our Search for Life in the Universe* invites you to experience an exciting journey through spectacular images and activities, projections and multimedia games!

Length: 20 to 45 minutes
Dates: September 8 to June 17
Schedule: 9 a.m. to 5 p.m.

[NO RESERVATIONS REQUIRED]



THE SECRET PHASES OF THE MOON

See description, page 15

Dates: Wednesdays and Thursdays from September 9 to June 16

VERTIGES

Show

Since the dawn of time, people have been striving to control time, to speed it up or even stop it. But what is time, really? In this new show, the immersive setting of the Chaos Theatre at the Rio Tinto Alcan Planetarium will become a fantastic playground where philosophical, scientific and artistic ideas are skillfully explored in a sort of temporal vertigo.

Length: 25 minutes
Location: Chaos Theatre
Dates: September 8 to June 17
Schedule: 2:30 and 3 p.m.

NEW!

WHAT'S A METEORITE HUNTER?

Guided activity

Also offered for elementary cycle three and secondary

Pierre-Marie Pelé, Fabien Kuntz and Marie Gerbet boast that they have the world's greatest job: meteorite hunter. They roam the deserts on different continents looking for rocks from space. In 2012 and 2013, their quest took them to a spot near the village of Beni M'hira, in southwest Tunisia, where they discovered over 100 fragments of a meteorite that had fallen a decade earlier. Some of these pieces were acquired by the Rio Tinto Alcan Planetarium. Now you can see them and hear about our meteorite hunters' lucky breaks and mishaps, in this all-new activity.

Length: 10 minutes
Location: outside the meteorite laboratory
Dates: September 8 to June 17
Schedule: 9:30, 10:30 & 11:30 a.m. & 12:30, 1:30, 2:30 & 3:30 p.m.

[NO RESERVATIONS REQUIRED]

ASTRO CAPSULES

Guided activity

See description, page 16

Dates: September 8 to June 17

NEW!

AURŌRAE

Show

See description, page 16

Dates: Tuesdays and Fridays from November 10 to June 17

TEMPO

Show

See description, page 16

Dates: September 8 to June 17

NEW!

DARK UNIVERSE

See description, page 16

Dates: September 8 to June 17

NEW!

GET TO KNOW THE UNIVERSE

Combined guided activity and show

See description, page 15

Date: Wednesdays and Thursdays from September 9 to June 16

NEW!

PLUTO: CHRONICLES OF AN EX-PLANET

Show

See description, page 16

Dates: Tuesdays and Fridays from September 8 to November 6



Biodôme

BEHIND THE SCENES GUIDED TOUR

Secondary cycle two

Here's your chance to see what goes on behind the scenes at the Biodôme, including the filtration and ventilation systems, animal kitchens, breeding basins and all the equipment and facilities that allow us to maintain the ecosystems in our controlled environment. This guided tour is sure to be of particular interest to students fascinated by environmental technology.

Length: 60 minutes
Capacity: 15 to 19 students per group (2 groups at a time can be accommodated)
Dates: Sept. 8 to December 18, February 2 to 19 & March 8 to June 10
Schedule: 9:30, 10:30 & 11:00 a.m. & 1:30 & 2:30 p.m.
Extra charge: \$65 per group

CHALLENGE

See description, page 8

Dates: November 27 and other dates to be announced

BIRD FEST

See description, page 11

Dates: April 26 to May 15

Insectarium

POP CAPSULES

See description, page 8

Dates: August 31 to June 15

INSECTS ON TOUR

See description, page 8

Dates: August 31 to June 15

NATURALLY WELL MADE

See description, page 8

Dates: August 31 to October 1 & April 26 to June 15

INSECTS IN WINTER

See description, page 9

Dates: November 3 to April 22

BUG BITES

BUTTERFLIES GO FREE

See description, page 9.

Dates: February 18 to April 24 (subject to change)

FOR HALLOWEEN



TRICKY SPIDERS

See description, page 9

Dates: October 2 to 30

Botanical Garden

BIODIVERSITY ON OUR PLATES

Secondary cycle one

Biodiversity is the basis of all food crops. It is essential for maintaining food security and ecosystems and respecting other cultures everywhere. With this activity combining science, geography and language arts, students will learn about the importance of tropical food diversity for humanity.

Length: 90 minutes
Capacity: 2 classes
Location: Multipurpose room
Dates: March 9 to June 10
Schedule: 9:30 a.m. & 12:30 p.m.

ENVIRONMENTAL EDUCATION PROGRAM GREEN SOLUTIONS

Secondary cycle two

The program is all about planting the seeds of curiosity, cultivating creativity and harvesting green innovations. Students learn about the environmental challenges related to urbanization and issues surrounding water, and explore the creative solutions offered by the plant world. They'll attend a lecture followed by a rally to find ways of creating a healthy urban ecosystem, meet with a scientist passionate about his work, conduct experiments and explore plant technologies from filtering marshes to green roofs and more.

Length: 4 hours
Capacity: 90 people
Dates: Tuesdays in March and April
Schedule: 10 to 11:30 a.m. & 12:30 to 3 p.m.

Frédéric Back Tree Pavilion

IN THE LAND OF THE GIANT TREES

Secondary one

See description, page 15

Dates: October 1 to 30 & March 9 to June 10

Rio Tinto Alcan Planetarium

EXO: OUR SEARCH FOR LIFE IN THE UNIVERSE

See description, page 19

Dates: September 8 to June 17

NEW!

PLUTO: CHRONICLES OF AN EX-PLANET

Show

See description, page 16

Dates: Tuesdays and Fridays

from September 8 to November 6

NEW!

AURORA

Show

See description, page 16

Dates: Tuesdays and Fridays

from November 10 to June 17

TEMPO

Show

See description, page 16

Dates: September 8 to June 17

Complementary activities

NEW!

DARK UNIVERSE

Show

See description, page 16

Dates: September 8 to June 17

VERTIGES

Show

See description, page 16

Dates: September 8 to June 17

CAPSULES ASTRO

Guided activity

See description, page 16

Dates: September 8 to June 17

NEW!

WHAT'S A METEORITE HUNTER?

Guided activity

See description, page 19

Dates: September 8 to June 17

Biodôme



ADAPTED EDUCATIONAL EXPEDITIONS

Elementary

Our interpretation staff can offer educational expeditions adapted to the needs of your group. Call to reserve their services and for information on the special features of this program.

Length: 90 minutes
 Capacity: 1 class
 Dates: October 6 to December 11, February 9 to 19 & March 8 to April 15
 Schedule: 9:45 a.m. & 12:15 p.m.

N.B.: Please be sure to indicate your needs when you reserve.

VISITES ÉDUCATIVES - PAVÉ IN FRENCH ONLY

Adapted educational expeditions for students with disabilities or learning difficulties

Elementary cycle one

PAVÉ consists of a series of four interpreted tours over the span of one year. Each tour includes sensory and exploratory experiences designed to take account of students' needs and teachers' requirements. Students get a chance to explore the Biodôme's ecosystems and some of the jobs performed by the people working there.

Length: Four 90-minute visits
 Capacity: 1 class
 Dates: October 6 to December 11 & January 5 to February 19
 Schedule: 9:45 a.m. & 12:15 p.m.

Cost: \$22.50/student, payable by cheque to the Société des amis du Biodôme de Montréal (SABM) on the day of your first visit.

Reservations required: Choose four dates for your visits, at three-week intervals, then contact the reservation unit for full program details.

CHALLENGE

See description, page 8
 Dates: November 27 and other dates to be announced

LA FORMATION DES MAÎTRES

Elementary teachers and student teachers

Interested in learning more about how animals adapt and interact with each other and their ecosystems? What is climate change? And do you really know what biodiversity is and how to protect it? By the end of the day, you'll know just what an individual or class can do to protect the environment.
IN FRENCH ONLY

Length: 6.5 hours
 Capacity: 60 teachers (maximum)
 Location: Biodôme
 Dates: Dates to be determined (a private group can be arranged if there are more than 8 people)
 Schedule: 9 a.m. to 3:30 p.m.
 Cost: Free



Botanical Garden

THE VEGETABLE GARDEN REVISITED

Students with intellectual disabilities

See description, page 12
 Dates: March 9 to June 10



USING ALL YOUR SENSES TO DISCOVER PLANTS

Students with intellectual disabilities

See description, page 10
 Dates: March 9 to June 10

Frédéric Back Tree Pavilion

THE SUGAR SHACK

Reception classes and students with intellectual disabilities

See description, page 10
 Dates: March 9 to April 22



WOKSIS, THE LEGEND OF MAPLE SYRUP

Reception classes and students with intellectual disabilities

See description, page 12
 Dates: March 9 to April 22

TREES UP CLOSE

Reception classes and students with intellectual disabilities

See description, page 12
 Dates: October 1 to 30 & March 9 to June 10

Classroom Teaching Tools and Kits

Space for Life

CHECK OUT OUR WEBSITE
montrealspaceforlife.ca

ENRICHMENT ACTIVITIES

Teachers and students will find all sorts of games and documents on-line. There are classroom activities to help prepare for a trip to Space for Life or follow up afterward and expand on what your students learned during their visit.

espacepurlavie.ca/en/complementary-activities

Biodôme

PLANT AND ANIMAL FACT SHEETS

Do your students have research to do for a natural science project? They can consult the fact sheets on the Biodôme's animals and plants online.

espacepurlavie.ca/en/fauna-and-flora-biodome

NATURE MISSIONS

These missions, geared to each elementary cycle, are a great way to prepare for or follow up on a visit to the Biodôme. Students can have fun as they learn about the main animals in our ecosystems, discover how to classify animals and explore such concepts as biodiversity and the food chain.

espacepurlavie.ca/en/nature-missions

NATURE UNDER GLASS

This dynamic educational section of our Website, full of colors and sounds, allows students to explore the ecosystems at the Biodôme at their own pace, mouse in hand. It's a highly original way to virtually explore our collections and prepare for a visit!

espacepurlavie.ca/en/nature-under-glass

Botanical Garden

LE J@RDIN DES JEUNES BRANCHÉS

This is the youth section of our website. It is designed to appeal to ages 6 to 12 and spark their interest in the plant world, while teaching them more about the Botanical Garden. They'll find lots of information on plants, ideas for school projects, photos, games, suggested activities and a mailbox for their questions. IN FRENCH ONLY

espacepurlavie.ca/jardin-des-jeunes-branches

TREES INSIDE OUT

Visit the *Trees Inside Out* virtual exhibition and discover a goldmine of information on trees, their environment, how they grow and the research being done on them.

aucoeurdelarbre.ca/en/

See the fact sheets:
aucoeurdelarbre.ca/en/branching-out/teachers/

A TREE IS A LIVING BEING!

Botanical Garden Arboretum Interpretation trail

Did you know trees make their own food? That they reproduce with the help of insects, birds and the wind? That they don't heal their wounds but seal them off them for the rest of their lives? The new interpretation stations now installed in the Arboretum hold many more fascinating secrets. Until you can discover them for yourself, check out the fact sheets on our website.

espacepurlavie.ca/en/complementary-activities/tree-living-being-fact-sheets

CLASSROOM KITS

LA REPRODUCTION DES PLANTES CLASSROOM KIT

Elementary cycle three and secondary cycle one

This kit includes all kinds of multidisciplinary projects on plant reproduction. It comes in two separate cases, with 17 activities. It targets the core learnings relating to several aspects of the living world in the Science and Technology part of the Quebec Education Program.

PART 1

Theme 1: Flowers

Theme 2: Pollination

Theme 3: Fertilization, from flower to fruit

PART 2

Theme 4: Fruits and seeds

Theme 5: Reproducing without flowers

Theme 6: Humans and plant reproduction

IN FRENCH ONLY

Rental period: 4 weeks

Cost: \$80, transportation & handling extra

Information and rentals: 514 872-7959

LES ARBRES CLASSROOM KIT

Elementary cycle two and grade 5

Borrow this kit and discuss the characteristics, growing cycles and various uses of different deciduous trees and conifers with your students in a concrete and engaging way. IN FRENCH ONLY

Length of loan: 2 weeks

Cost: free when you reserve an educational activity at the Frédéric Back Tree Pavilion, transportation & handling extra

Information and reservations: 514 872-6824



Insectarium



EXPLORATION RALLY

Join Proscio and explore the new exhibition at the Insectarium, *We Are the Insects*. You'll have lots of fun together!

Cycle one

Proscio puts on a party!

Our mascot, Proscio, is preparing a huge celebration for his friends the insects and needs your help to make everything perfect! Take a look around the Insectarium and find the things his guests would love.

Cycles two and three

Proscio investigates

It's a mystery! There's an assassin hiding in the Insectarium. Join Proscio and track him down. To find the guilty insect, you'll have to analyze the crime scene and look for clues in the exhibition. We're sure you'll be able to identify the guilty party pretty quickly.

Download the rally descriptions and pre-visit and follow-up activities, and print them before you come!

espacepoulavie.ca/en/educational-activities/discovery-rally

BUTTERFLIES GO FREE: STUDENTS IN ACTION

Preschool and elementary

Everyone loves butterflies! To help prepare for or wrap up your visit to *Butterflies Go Free*, there are all sorts of fun classroom activities available on our Website. Let the butterflies work their own special magic on you and your students!

espacepoulavie.ca/en/educational-activities/bug-bites-butterflies-go-free

CLASSROOM TOOLS

To learn more about monarch butterflies

JEU MONARQUE SANS FRONTIÈRE

Elementary cycle three and secondary 1

The monarch butterflies are flying off to Mexico! Follow them and share their adventures through this exciting board game, which comes with suggested activities and five insect cards describing monarchs' lives. IN FRENCH ONLY

Cost: \$24

Information and orders: 514 872-7097

A MONARCH'S LIFE POSTER

For all grades

This colourful poster describes the stages in the monarch butterfly's life cycle.

Cost: \$5

Information and orders: 514 872-7097

RAISE YOUR OWN MONARCH BUTTERFLIES KIT

You and your class can enjoy a fabulous, unusual experience as you raise monarchs. At the same time, take part in the pan-American *Monarch Watch* program. This scientific activity, which lasts about three weeks, will allow you and your students to follow the monarch life cycle. Each day, they'll observe the caterpillars, feed them and care for them. They'll gather data, following a scientific protocol. Then, by tagging the butterflies when they emerge, they can help track monarchs on their fall migration to Mexico.

Each kit contains:

- four live caterpillars and two live chrysalises
- a potted milkweed plant
- *Monarch Watch* stickers to tag your butterflies
- privileged access to a monarch-raising website

Information:

514 872-7077 or 514 872-7097

Cost: \$80

\$20 for a portable tent

Reservations must be made before May 31, 2016 for September 2016.

Kits must be picked up at the Maisonneuve Park chalet in early September.

Limited quantities available.

ACTIVITY SHEETS

All levels

Consult our activity sheets to learn more about insects and other arthropods and how to observe, raise and collect them.

espacepoulavie.ca/en/insects-and-other-arthropods

Rio Tinto Alcan Planetarium

EDUCATIONAL ACTIVITY SHEETS

For all grades

Our educational activity sheets can help you teach astronomy and Earth and space sciences to your students!

espacepoulavie.ca/en/complementary-activities

Check *Rio Tinto Alcan Planetarium* in the *Museum* section, then click *Apply*



Reservation Conditions

STUDENT SUPERVISION AND GROUP SIZE

Educational activities are designed on the assumption that the teacher and accompanying adults will stay with students throughout the tour and participate. We recommend that you plan to have accompanying adults in the following ratios:

- » One per five students, for preschool and elementary cycle one
- » One per ten students, for elementary cycles two and three and secondary



2015 GROUP RATES

Our 2016 rates will be posted on our website starting in February 2016.

Means of payment

Payment may be made by certified cheque, school cheque, cash, credit card or debit card. Make cheques payable to the "Ville de Montréal," unless otherwise indicated when you reserve.

Rates

The 2015 rates listed below are in Canadian funds and include all taxes. Rates are subject to change without notice.

Unless otherwise indicated, there is no additional charge for educational activities.

Free admission for teachers

Teachers wishing to familiarize themselves with any of the museums before they come with their classes may ask for one free pass when they reserve.

	BIODÔME	BOTANICAL GARDEN + INSECTARIUM	RIO TINTO ALCAN PLANETARIUM	2 SITE PACKAGE Biodôme + Rio Tinto Alcan Planetarium OR Biodôme + Botanical Garden / Insectarium OR Botanical Garden / Insectarium + Rio Tinto Alcan Planetarium	SPACE FOR LIFE PACKAGE Botanical Garden / Insectarium + Biodôme + Rio Tinto Alcan Planetarium
GROUP RATES*					
Adults	\$13.25	\$13.25	\$13.25	\$23.50	\$33.75
Ages 5 to 17	\$6.75	\$6.75	\$6.75	\$11.75	\$16.75
Ages 0 to 4**	Free	Free	Free	Free	Free
Length of self-guided tour	Minimum 1 hour	Greenhouses: 30 min to 1 hour Outdoor Gardens: 1 to 4 hours Insectarium: 30 min to 1 hour	Recommended for ages 7 and up Minimum 2 hours	Minimum 2.5 hours	Minimum 4 hours

To add the Montréal Tower, please call 514 252-4737.

*Group rates apply to groups of 15 paying visitors or more. Individual rates are available on request.

**For groups of ages 0-4, a \$3/child fee may be charged for the use of specific services.

Free admission: One complimentary ticket for the bus driver, one for the class teacher and one complimentary ticket for each group of 20 paying visitors (21st visitor free). These tickets are not transferable.

Reservation Form / School Groups /



espace
pour la
vie montréal

biodôme
insectarium
jardin botanique
planétarium
rio tinto alcan

SPACE IS LIMITED! PLEASE RESERVE EARLY!

Please complete this form and e-mail it to us at reservationspacevie@ville.montreal.qc.ca or fax it to 514 872-5476. This form is also available on our website, at montrealspaceforlife.ca/reservations

IMPORTANT: Please remember that your visit has not been reserved until you have received your confirmation letter. You should receive the letter within five working days.

For packages including the Montréal Tower, please call 514 252-4737.

Contact name: _____ Title: _____
 Name of school / preschool / daycare: _____
 Group name: _____
 Address: _____ E-mail: _____
 City/Town: _____ Telephone: _____
 Postal code: _____ Fax: _____
 I would like to receive the *School Newsletter*

RESERVATION REQUESTED DATE OF VISIT: _____ ARRIVAL TIME: _____

- BIODÔME** Self-guided tour
BOTANICAL GARDEN / INSECTARIUM Self-guided tour
RIO TINTO ALCAN PLANETARIUM Shows (*recommended for ages 7 and up*)

RESERVATION DETAILS

Activity requested (if any):

	No. of adults	No. of children ages 5-17	No. of children ages 0-4
Class 1			
Class 2			
Class 3			
Class 4			
Total			

NAME OF ACTIVITY	DATES day/month/year	TIME
1st choice		
2nd choice		
3rd choice		

MEALS* Lunch times are scheduled depending on room availability. Please check your confirmation letter.

- BIODÔME** 11:10 a.m. 11:50 a.m. 12:30 p.m.
BOTANICAL GARDEN / INSECTARIUM 11 a.m. 11:45 a.m. 12:30 p.m. 1:15 p.m.
RIO TINTO ALCAN PLANETARIUM According to show schedule

*For groups of ages 0-4, a \$3/child fee may be charged for the use of specific services.

SPECIAL REQUESTS AND COMMENTS

Teachers wishing to familiarize themselves with any of the institutions before they come with their classes may ask for one free pass when they reserve.

General Information



biodôme
insectarium
jardin botanique
planétarium
rio tinto alcan

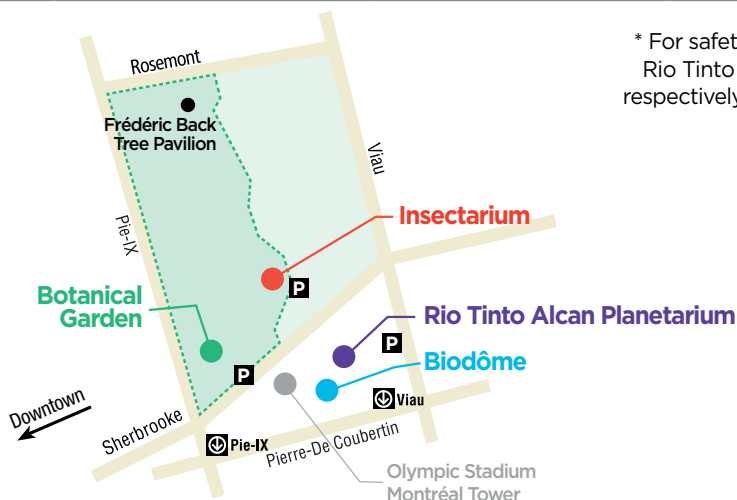
BIODÔME

INSECTARIUM

BOTANICAL GARDEN

RIO TINTO ALCAN PLANETARIUM

ADDRESS	4777, av. Pierre-De Coubertin Montréal, Quebec H1V 1B3	4581, rue Sherbrooke Est Montréal, Quebec H1X 2B2	4101, rue Sherbrooke Est Montréal, Quebec H1X 2B2	4801, av. Pierre-De Coubertin Montréal, Quebec H1V 3V4
PHONE FAX	514 868-3000 514 868-3065	514 872-1400 514 872-5476		514 868-3000 514 872-8102
GROUP RESERVATIONS	514 868-3056 / Fax: 514 872-5476 reservationspacevie@ville.montreal.qc.ca			
HOURS	Open Tuesday to Sunday from September 8 to June 19 and every day the rest of the year. From 9 a.m. to 5 p.m. (until 6 p.m. in summer).	Open Tuesday to Sunday from November 3 to May 15 and every day the rest of the year. From 9 a.m. to 5 p.m. (until 6 p.m. in summer and 9 p.m. in fall)		Open Tuesday to Sunday from September 8 to June 19 and every day the rest of the year. For opening and show times, check montrealspaceforlife.ca or call 514 868-3000.
ACCESS	Viau station By bus: free parking at 3000 and 3200 Viau	Pie-IX or Viau station By bus: free parking at 4581, Sherbrooke Est, at the Maisonneuve Park entrance	Pie-IX station By bus: free parking at 4101, Sherbrooke Est or, for the Tree Pavilion, at 4500 Rosemont Blvd. (at 29th Avenue)	Viau station By bus: free parking at 3000 and 3200 Viau
RECEPTION*	Groups will be greeted at the ticket counter at the entrance shared by the Biodôme and the Rio Tinto Alcan Planetarium (enter via parking lot at 3200 Viau).	School groups will be met at the gate or in the Insectarium lobby 15 minutes before the activity starts.	Depending on the activity, groups will be welcomed at the Reception Centre or the Frédéric Back Tree Pavilion 15 minutes before it starts.	Groups will be greeted at the ticket counter at the entrance shared by the Biodôme and the Rio Tinto Alcan Planetarium (enter via parking lot at 3200 Viau).
CLOAKROOM	Available by reservation (free). Limited space available.			
LUNCH ROOM	Seats are available by reservation for those who bring their lunch (120 seats). The cafeteria is available for groups wishing to buy their lunch on site (reservation required).	There is no lunch room available at the Insectarium. However, all the Botanical Garden facilities are available (some by reservation).	The lunch room is available by reservation (80 seats), for those who bring their lunch. The Tree Pavilion has picnic tables for two classes (60 seats). No reservations are required for the Maisonneuve Park chalet.	Seats are available by reservation for those who bring their lunch (120 seats). The cafeteria is available for groups wishing to buy their lunch on site (reservation required).



* For safety reasons, the Botanical Garden auditorium and the Rio Tinto Alcan Planetarium theatres cannot accommodate, respectively, more than four and three wheelchairs at one time.



Wish upon a Star!



biodôme **insectarium** jardin botanique planétarium rio tinto alcan

4 times the fun!

