

A **SPECIAL PROGRAM** for your students at the Planétarium Rio Tinto Alcan:

- > new activities
- > lots of shows
- > mornings just for school groups

No additional fees!

**STARTING IN
JANUARY 2019**

ACTIVITIES

NEW!

BUILD YOUR OWN SOLAR SYSTEM

Preschool

Learn about the planets, the Sun and other objects in our Solar System (comets, asteroids and more) with help from a science interpreter. To expand your students' knowledge of space, they'll build their own Solar System, designing it as they like throughout the activity. Loads of fun in store, and they'll all get to take their creations away with them.

Length: 45 minutes
January 8 to February 28 and March 26 to June 20

NEW!

A TREK THROUGH THE SOLAR SYSTEM

Elementary Cycle 1

With help from a science interpreter, your students will come to understand how the motion of certain objects in the Solar System shapes their daily lives (Earth's rotation creates the cycle of day and night, Earth's revolution the seasons, etc.). The activity fuels this age group's keen interest in the planets, delving into fascinating details. A perfect opportunity to discover some astonishing facts about the planets.

Length: 45 minutes
January 8 to February 28 and March 26 to June 20

NEW!

BEYOND OORT

Elementary Cycle 2

Your students will learn about the Universe beyond our Solar System with help from a science interpreter. They'll step into the shoes of astronauts travelling aboard a rocket that leaves Earth to explore the outer reaches of the Universe. After locating our planet within the Solar System, they'll discover that ours is just one system among a multitude in our Galaxy.

Length: 45 minutes
January 8 to February 28 and March 26 to June 20

NEW!

BLACK HOLES

Elementary Cycle 3

Your students will learn how gravity governs the motion of objects in the Universe. During this fun-filled activity, they'll also discover how bodies in the Solar System interact, and find out about the universal laws dictating their behaviour. To apply the knowledge shared by the science interpreter, they'll investigate black holes. They'll even have the chance to experiment with a "real" black hole created just for the occasion.

Length: 45 minutes
January 8 to February 28 and March 26 to June 20

NEW!

ROBOTIC ACTIVITY

THE ALDEBARAN PROJECT

Elementary Cycle 3 and Secondary

Using LEGO® Mindstorms®, your students will become budding scientists and engineers and carry out activities that require them to solve problems, interact and collaborate while flexing their creative muscles. Their aim here is to build a base on Mars using robotics.

Length: 2 hours
January 15 to February 28 and March 26 to June 20
Space is limited

ASTRO CAPSULES

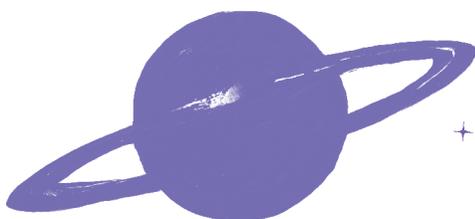
Elementary and Secondary

Come explore the Solar System with a science 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 whip up... a comet?

Three different activities are offered in rotation all day long.

Length: 10 minutes
Until June 20

[NO RESERVATIONS REQUIRED]



SHOWS

All the films last 25 to 30 minutes

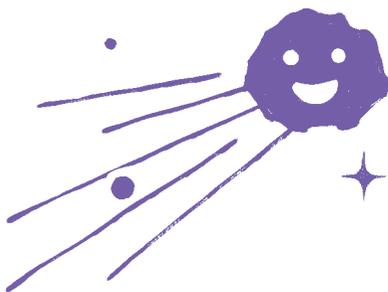
NEW!

POLARIS

Elementary

James, a travelling penguin from the South Pole, and Vladimir, a funny bear from the North Pole, meet on the Arctic sea ice. The two are amateur astronomers, trying to solve the mystery of why the night is so long at the Earth's poles. In an exciting scientific adventure, they build an observatory and then an improvised spaceship. During a trip around the Earth, extended to Mars and Saturn, they get their answer and discover that the planets have similarities but also differences.

Starting January 8



ABOARD THE SSE-4801

Preschool and Elementary Cycle 1

Why is the sky blue? Where do stars hide during the day? Are there only stars and the Moon in the sky? To find out, hop aboard the SSE-4801 to discover what hides in the outer reaches of our celestial neighbourhood: the Solar System. Guided by our spirited host, you'll soar into orbit for an incredible journey, somewhere between the Sun and Neptune, exploring the eight planets, new moons and an asteroid field. You'll also meet a cute and mysterious little comet. Ready for take-off? Let the adventure begin!

Until June 2

NEW!

MICE AND THE MOON

Preschool and Elementary Cycle 1

An entertaining tale of two little mice, Pip and Chip, who wonder whether someone takes a bite out of the big Moon Cheese in the sky every night. The bats don't know the answer, and neither does the Wise Owl. Luckily, Pip and Chip meet two astronomy-savvy robots, who explain exactly what the Moon is. They tell them about the lunar Maria, seas without any water, and show them the lunar craters through a telescope. Pip and Chip are so impressed they wish they could fly to the Moon one day!

Starting June 4



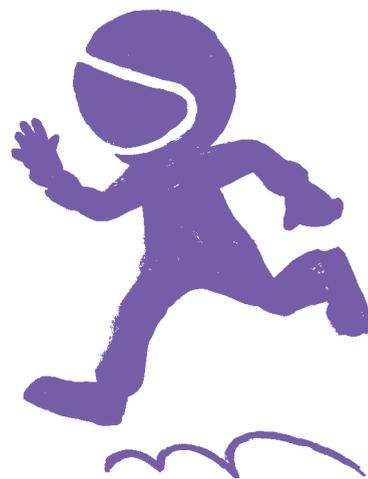
THE SECRETS OF GRAVITY

Elementary and Secondary

Why do things magically fall to the ground rather than floating in the air?

This is the very question that the young apprentice magician Limbradur asks. Follow Alby, a clever little robot, and Limbradur on an exciting journey through space and time, during which he explains the principles underlying gravitation, and also learns much about friendship and imagination.

Until June 20





EXHIBITION

AURÔRAE

Elementary and Secondary

Guided by an enthusiastic expert, come delight in an exceptional immersive experience beneath the spectacular dome at the Planétarium Rio Tinto Alcan. Celebrate light as you gaze up at one of nature's most breathtaking spectacles, set to an energizing beat by DJ Champion.

Until June 20

CONTINUUM

Elementary and Secondary

From the infinitely small to the infinitely large, a cosmic poem on the connection between humankind and the Universe. A breathtaking show designed by a pair of internationally acclaimed Montréal artists, Michel Lemieux and Victor Pilon, set to the entrancing symphonic music of Philip Glass.

Until June 20

PLANET NINE

Elementary and Secondary

Since Pluto was downgraded to a dwarf planet, this object on the outskirts of our Solar System has continued to fascinate astronomers. The study of objects with such magical names – Eris, Sedna, Haumea and many more – suggests that there may be a new planet hidden beyond the Kuiper belt. Follow Mike Brown and his team of three fellow Californian astronomers as they search for this ninth planet!

Until June 20

EXO

Elementary and Secondary

Are we alone in the Universe? As thousands of planets are being detected outside our Solar System, can the discovery of life elsewhere be far off? Scientists are delving into this quest for knowledge of our origins, and the possible impact of finding extra-terrestrial life.

Until June 20

NEW!

PASSPORT TO THE UNIVERSE

Elementary and Secondary

Passport to the Universe takes audiences on an incredible journey far from Earth toward the largest structures in the Universe. Combining spectacular images based on the latest discoveries and clearly describing our Solar System, this captivating introduction to the cosmos lets you fly beneath the rings of Saturn, into the heart of the Orion Nebula, and out into the vastness of intergalactic space.

Starting April 9

NIGHT SKY

Elementary and Secondary

Come discover the treasures and mysteries of the starry sky. Beneath the 360° dome at the Planétarium Rio Tinto Alcan, you'll enjoy an immersive experience whisking you through time and space. Stars, planets, the Moon, constellations, legends and the latest astronomy news... there's plenty to surprise and amaze you.

Starting January 8

EXO, OUR SEARCH FOR LIFE IN THE UNIVERSE

Elementary and Secondary

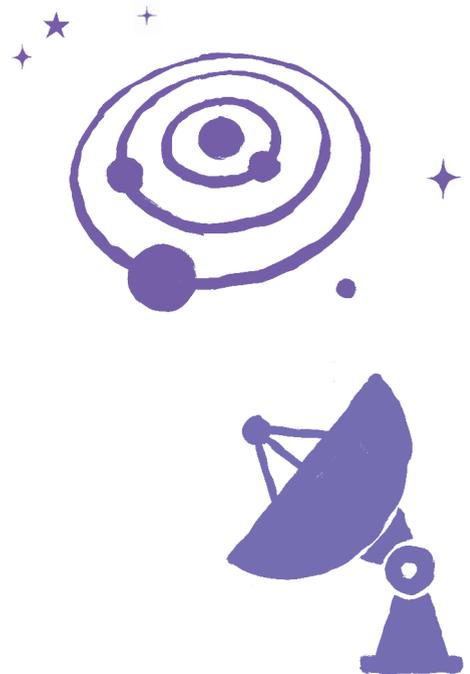
How did life appear on Earth? Is there life elsewhere? These questions are addressed in the planetarium's permanent exhibition, through interactive terminals, videos and multimedia games.

Length of self-guided tour:

20 to 45 minutes

Until June 20

[NO RESERVATIONS REQUIRED]



RESERVATIONS

SPACE IS LIMITED! PLEASE RESERVE EARLY!

Please complete the form available on our website, at espacepouirlavie.ca/en/reservations

For more information, contact our Reservations department, at **514 868-3000**, Sunday to Thursday from 8:30 a.m. to 5 p.m.; Friday and Saturday from 8:30 a.m. to 7 p.m.

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.



2019 GROUP RATES

To find out about activities at the Biodôme and Jardin botanique, check out the *Naturally Curious* program at espacepouirlavie.ca/en/kids-and-teachers

	BIODÔME	JARDIN BOTANIQUE INSECTARIUM CLOSED	PLANÉTIARIUM RIO TINTO ALCAN	2 SITE PACKAGE Jardin botanique + Planétarium Rio Tinto Alcan
GROUP RATES*				
Adults	Special in-class activities \$325/2 classes	\$14	\$14	\$24.75
Ages 5 to 17		\$7	\$7	\$12.50
Ages 0 to 4**		Free	Free	Free
Length of self-guided tour	The Biodôme is getting a makeover Back in December 2019	Greenhouses: 30 min to 1 hour Outdoor gardens: 1 to 4 hours	Minimum 2 hours	Minimum 2.5 hours

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

*Group rates apply to groups of 15 or more paying visitors. 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.