



EDUCATORS

At the end of the show, we invite students to ask questions. If you wish, and we encourage you to do so, have your students prepare a list of questions that they would like to ask. A visit to the Planetarium is not only an educational experience; it's a lot of fun.

YOUR VISIT

Part 1: All our planetarium presentations start the same way, with the evening sky on the night of your visit. As the Earth rotates, the planetarium projector displays the changing parade of constellations and deep sky objects (nebulae, galaxies, neutron stars, black holes, protostars and dying stars). At sunrise the projector simulates twilight and our star, the sun. We watch it arc its way across the southern sky as our narrator describes its fiery beauty. Once the sun sets, we take an imaginary trip as the Earth revolves around the sun, and note the changing view of the sky as seasons roll by. The format of this presentation varies, depending on the age group visiting us. (Approximately 30 to 45 minutes)

Part 2: The second part of the presentation includes a multi-media presentation (multiple slide projectors and computer projections). The topics vary according to the visitor's interest and age. (Approximately 30 minutes)

ADMISSION

\$4 per visitor

Note: teachers, supervisors and the bus driver are admitted free with their group.

Planetarium shows are not recommended for children under 5 years of age.

PARKING

Metered parking is available beside parking lot #1, across from the Fraser Building (\$2.00 per hour).

Parking in the metered lot after 8 p.m. is free.

Parking in lot #1 after 3 p.m. is a flat rate of \$4.00.

Parking is free Friday evenings and weekends.

Bus drivers may drop off or pick up their passengers at the entrance of the Fraser Building.

Someone will be available to direct the buses to the appropriate parking area. During the academic year, buses may be required to park off campus.



FOR BOOKINGS, CALL OR WRITE:

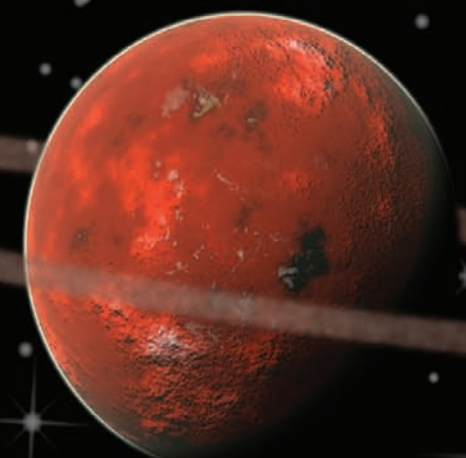
Paul-Émile Legault
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Laurentian University
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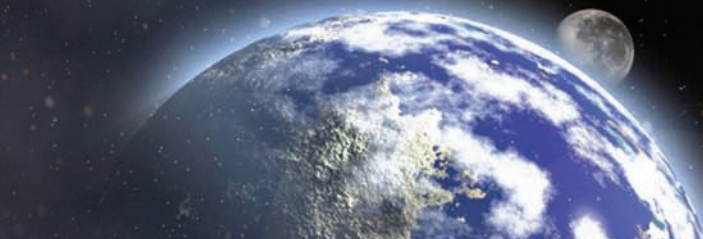
plegault@laurentian.ca
www.physics.laurentian.ca

Join us to experience a journey
out of this world!

DORAN PLANETARIUM



Laurentian University
Université Laurentienne



JURAN PLANETARIUM

TOURING THE NIGHT SKY

(Grades 1 through 3)

Behind the stars, hidden from view, lie unique celestial wonders. Photographed through powerful telescopes, or by orbiting satellites, these unique sights will amaze you and open your mind to our wonderful universe.

EXPLORE THE SOLAR SYSTEM

(Grades 4 through 8)

Ever wondered where the Solar System came from or how old it is? Come and find out. A brief explanation of the formation of our solar system is followed by a visit through our planetary system. Starting with the sun we will travel to all the planets, the asteroid belt, the Kuiper belt and the Oort cloud, home of the comets.

OUR MYSTERIOUS UNIVERSE

(Grades 7 through 9)

In part one of the program we saw a host of deep sky objects. They are like pieces of a puzzle in our universe. Now we will try to complete the entire picture.

How did the universe begin?

When did it begin?

How old are the stars and galaxies?

Do all the stars have planets?

Will stars and our sun last forever?

Will the universe last forever?

SUPPLEMENT FOR THE UNIT ON SPACE IN NELSON'S BOOK "SCIENCE 9"

(Grades 9 through 12)

May we suggest the following for grade 9 students?

Part 1: Described above (45 minutes for this group)

Part 2: History of the Universe (30 minutes)

Beginning with the Big Bang, we study the expansion of the universe, the lives of stars, the formation of planets and ponder the fate of the universe.

Discussion (15 minutes)

Lunch break (45 to 60 minutes)

Part 3: Solar system (40 minutes)

See how, from a cloud of dust created by dying stars, planetary system forms. Our visit starts at the sun and we will travel through the solar system visiting all the planets, many of their moons, the asteroid belt the Kuiper belt and the Oort cloud home of the comets.

Part 4: Tools of the Astronomer (40 minutes)

Light carries a coded message, which, once deciphered, can help us determine the temperature, composition, age and motion of the stars. This presentation is accompanied by some demonstrations to explain how astronomers study stars even if they cannot get near them.

Discussion (15 minutes)

If you desire a shorter presentation, we can start with part 1 and add any component you wish.

RIDE ALONG WITH A COMET

(Ages 5 - 7)

A starry sky hides two bears, a lion, a flying horse, a princess and numerous surprises. A native American legends tells us how the constellations came to be. Just like the Little Prince travel with a comet as it travels through the solar system. One by one the planets reveal their marvellous, mysterious and unique secret.

INTRODUCTION TO ASTRONOMY

This presentation was designed to help the Guides and Scouts earn their merit badge in astronomy.

It's a first step into the world of stars.

Discover how to "star hop", find constellations, tell time using the stars and build and use your own star clock.

Take an imaginary trip through our solar system and see the planets close up.

Visit our Web site for a series of mini lectures.

These can be added to a regular presentation to complete your astronomical experience.