



**ASTRONOMY
PROGRAMS**
2007-2008

DISCOVER THE UNIVERSE

Join us rain or shine for dynamic presentations and opportunities to explore the night sky—you may view the sky through Canada's largest refracting telescope[†] in the Helen Sawyer Hogg Observatory, or tour the night sky in the Museum's inflatable planetarium. Duration: 90 minutes

Single program:

Adults \$6

Students* and Children (12+) \$4

Families* (children 12+) \$14

Special package pricing—when you choose any three programs from below:

Adults \$16

Students* and children (12+) \$10

Families* (children 12+) \$40

Payment is required upon registration.

2007	
October 19	7:30 p.m. Forum: Robots or Humans for Space Exploration?
November 30	7:30 p.m. Extreme Makeover: Asteroid Impact!
December 14	7:30 p.m. Mars in Mythology and Science

2008	
January 18	7:30 p.m. Wonders of Orion
February 15	7:30 p.m. News from Saturn
April 25	7:30 p.m. Planet X and Other Mysteries
May 30	8:00 p.m. Mars Phoenix Mission Update
July 11	8:30 p.m. Summer Stargazing

**INTERNATIONAL
ASTRONOMY DAY**

May 10, 2008

Daytime activities: 10 a.m. – 4 p.m. (included with Museum admission)

Free Star Party: 8 p.m. – 10 p.m. (weather permitting)

Make it a family outing and celebrate astronomy! Daytime activities for all include Solar System crafts for kids, Mars Phoenix mission update, visits to the Helen Sawyer Hogg Observatory, telescope observing of the Sun,[†] presentations in the Museum's inflatable planetarium, and the Museum's new young people's forum "Humans or Robots for Space Exploration?"

**BEGINNER'S GUIDE
TO ASTRONOMY**

Learn to be a stargazer and become more confident about finding your way in the night sky! Where and how do you look to find constellations, planets and deep sky objects? What equipment is needed? These questions and more are answered during this three-week mini-course. Choose from series A or B, or sign up for both! Includes sessions in the inflatable planetarium and telescope observing in the Helen Sawyer Hogg Observatory.[†] Duration: 2 hours

Cost per series:

Adults \$30

Students* \$22

Children (12-14) \$15

Families* (children 12-14) \$70

Payment is required upon registration.

Series A	7 p.m.	Navigating the Night Sky
2007	or	2008
Tuesdays		Wednesdays
October 23	January 23	Constellations: Celestial Roadmap
October 30	January 30	Using Planispheres and Star Clocks
November 6	February 6	Seasonal Changes

Series B	7 p.m.	Wonders of the Night Sky
2007	or	2008
Tuesdays		Wednesdays
November 20	February 20	The New Solar System
November 27	February 27	Clusters, Nebulae, Galaxies, and More
December 4	March 5	Using and Selecting Binoculars and Telescopes



STARGAZING — FREE!

Want to view the night sky from the Helen Sawyer Hogg Observatory? Join us on the dates below as we open the doors and welcome stargazers. The program is free and **strictly weather permitting** (no indoor presentations). Dress warmly! Duration: 90 minutes

2007		
October 13		7:30 p.m.
December 21		6:00 p.m.
2008		
February 21	8:30 p.m.	Total Lunar Eclipse
March 14	7:30 p.m.	
July 18	9:00 p.m.	
August 8	9:00 p.m.	

**GROUP ASTRONOMY
AND SPACE NIGHTS**

Minimum 20 participants, \$3 per person

Choice of two dynamic programs adapted to your group's age level and interests. Perfect for school groups, as well as Scouts, Guides, Cubs, and Brownies wishing to obtain their astronomy or space badges. Duration: 90 minutes

ASTRONOMY

Learn cool things about the Solar System! Discover how stars are formed. Touch real meteorites, look through Canada's largest refracting telescope[†] in the Helen Sawyer Hogg Observatory, or view the constellations in the Museum's inflatable planetarium.

CANADA IN SPACE

Through a guided visit of the **Canada in Space** exhibition, see real satellites Alouette and Hermes, discover what it takes to become an astronaut, and explore Canada's contribution to the International Space Station.

**FAMILY ASTRONOMY AND
SPACE WORKSHOPS**

Curious about space and astronomy? These hands-on workshops feature a new craft activity each month that encourages exploration of science and astronomy, complemented by either a guided tour of the heavens in the inflatable planetarium, a visit to the **Canada in Space** exhibition, or a visit to the Observatory.[†] Duration: 90 minutes

Special package pricing—choose any three workshops from below:

Adults \$18

Students* \$15

Children \$9

Families* \$42

Payment is required upon registration.

The Museum reserves the right to substitute workshops when registration is insufficient.

2007		7 p.m.
October 12		Make a Pop Bottle Rocket
October 26		Create a Planet Poster
November 23		Make Your Own Moon Base
December 7		3-D Model of the Orion Constellation

2008		7 p.m.
January 11		Build a Space Communications Tower
January 25		Make a Hubble Space Telescope Model
February 8		Constellations of the Zodiac Model
February 22		Create Your Own Space Storybook
March 28		Create Glitter Galaxies
April 4		Planet Weather: Create a "Milk" Storm
April 18		Space Payloads: Egg Launch!
May 2		Make a Mars Phoenix Lander Model

Advance registration is required for all programs.

[†] Weather permitting

* Children: ages 4-14 unless otherwise indicated; students: ages 15-17; family admission includes two adults and three children.

Free Parking

613-991-3053 or 1-866-442-4416