

# INTERNATIONAL ASTRONOMY DAY

Planétarium Rio Tinto Alcan

May 11

SPECIAL PROGRAM

Montréal



	<b>WOMEN IN ASTRONOMY</b>	
11 a.m.–noon	<b>EXOPLANETS</b> / For all <i>Frédérique Baron, Scientific and EPO coordinator for the Institute for research on exoplanets</i>	Introduction to techniques used to discover exoplanets, their variety and researchers' hopes of soon being able to find Earth's twin.
noon–1 p.m.	<b>WOMEN IN LUNAR NOMENCLATURE</b> / For all <i>Bettina Forget - Visual Voice Gallery</i>	Presentation on the naming of moon craters to honor women astronomers and scientists. <i>(The presentations will be given in English, but the question period afterward will be bilingual)</i>
1–2 p.m.	<b>WOMEN IN ASTRONOMY – DISCUSSION AND CAREERS</b> / For all <i>Hosted by Nathalie Ouellette, Coordinator for the Institute for research on exoplanets</i>	A discussion among women in astronomy to find out more about careers in astronomy and science. <i>(Panelists will be speaking English and French, so the same information may not be conveyed in both languages.)</i>
11 a.m.–3 p.m.	<b>ASTRONOMICAL MAKERSPACE</b> / Ages 4–11 <i>Science Yourself! No G's about it.</i>	Explore the cosmos through creativity, combining science and art.
11 a.m.–6 p.m.	<b>WORKSHOP: LAUNCH A BOTTLE ROCKET.*</b> Ages 8 + <i>Oronos Polytechnique, McGill Rocket Team</i>	Learn the basics of how a rocket works and then make one yourself. Using plastic bottles and a bicycle pump, you can propel your own rocket into the sky!
	<b>ASTROPHOTOGRAPHY EXHIBITION</b> / For all <i>BrightDot Events, Royal Astronomical Society of Canada</i>	Exhibition of photographs of the deep sky and astronomical landscapes.
	<b>OBSERVATION OF THE EARTH FROM SATELLITES</b> / For all <i>MDA</i>	Discovery table on the many services provided by satellites. You'll find out lots more from models, games and activities.
	<b>THE SECRETS OF METEORITES</b> / For all <i>Planétarium Rio Tinto Alcan</i>	Discover the fascinating world of meteorites as an astronomer guides you through the biggest collection in Quebec.
	<b>BUILD YOUR OWN CUBESAT</b> / For all <i>PolyOrbite</i>	Dive into space science by making your own CubeSat out of paper.
	<b>BUILD YOUR OWN COMET</b> / Ages 4–11 <i>BrightDot Events, Royal Astronomical Society of Canada</i>	Educational activities and crafts for children. Learn about space and make a comet to take home!
	<b>SPACE OLYMPICS</b> / For all <i>Space Concordia</i>	Activities to help children understand the phases of the Moon, or train their memories with pictures of planets, rockets, etc.
	<b>HOW TO SEE THE INVISIBLE</b> / For all <i>AstroMcGill, Physics Matters</i>	Our eyes can't see everything, like ultraviolet light. Technology allows us to unveil the invisible.
	<b>OBSERVING THE SUN*</b> / For all <i>Société d'astronomie du Planétarium de Montréal, Royal Astronomical Society of Canada</i>	Observe the Sun using specialized telescopes and other optical instruments.
11 a.m.–8 p.m.	<b>QUESTIONS AND ACTIVITY SHEETS</b> / Ages 6–12 <i>Astro-Poly</i>	Children discover space and astronomy through games, questions and activities.
	<b>WEBBVR EXPERIENCE</b> / Ages 6 + <i>Institute for research on exoplanets</i>	Discover the James Webb Space Telescope through a virtual experience.
2–3:30 p.m.	<b>ROCKET DISPLAY</b> / For all <i>RockETS, Space Concordia, McGill Rocket Team</i>	Exhibition and presentation on rockets entered into competitions among amateur builders' clubs.
	<b>INFORMATION TABLES</b> / For all	Several organizations have stands to present their activities and invite you to join them beyond International Astronomy Day.
2–3:30 p.m.	<b>STARRING THE MILKY WAY: GALACTIC ORIENTATION AND PAINTING</b> / For all <i>Swarm, Plateau Astro</i>	Paint your own artwork inspired by the Milky Way and take it home with you.
2:30–3:30 p.m.	<b>THE STARRY SKY, A LEGACY TO SHARE</b> For all <i>ASTROLab du Parc national du Mont-Mégantic</i>	Introduction to the International Dark Sky Reserve at Mont Mégantic, the activities at the Mont Mégantic ASTROLab and information about light pollution.
3–6 p.m.	<b>ASTRONOMICAL ACTIVITIES</b> / For all <i>Cegep Student Space Clubs</i>	A number of workshop stations offer space activities designed for each age group.
3:30–4 p.m.	<b>SHADOW CHASERS</b> / For all <i>Royal Astronomical Society of Canada</i>	Documentary on the 2017 total eclipse of the Sun and a passionate devotee's hunt for a few moments of darkness.
3:30–5 p.m.	<b>LUNAR CRATER SKETCHING WORKSHOP</b> Ages 6 and up <i>Bettina Forget and Cegep Student Space Clubs</i>	Learn how to represent the fine details of moon craters.
4–4:30 p.m.	<b>3D WALKS ON MARS</b> / For all <i>Royal Astronomical Society of Canada</i>	3D movie showing actual footage taken by Mars rovers.
4:30–6 p.m.	<b>ASK AN ENTHUSIAST</b> / For all	Astronomers, scientists, and artists will answer all your questions!
5–6:30 p.m.	<b>WORKSHOP: SATELLITES AND SPACE MISSIONS</b> / Ages 8–15 <i>McGill Space Group</i>	Workshop on how satellites are designed and operated, depending on their mission.
6–7 p.m.	<b>THE STARRY SKY, A LEGACY TO SHARE</b> / For all <i>ASTROLab du Parc national du Mont-Mégantic</i>	Introduction to the International Dark Sky Reserve at Mont Mégantic, the activities at the Mont Mégantic ASTROLab and information about light pollution.
6:30–8 p.m.	<b>GRAVITY WORKSHOP</b> / For all <i>QMSat</i>	Participants will build a capsule for astronaut David St-Jacques to return to Earth in. Standing in for the astronaut will be—an egg!
7–8 p.m.	<b>50 YEARS OF MOON EXPLORATION</b> / For all <i>David Shuman, Royal Astronomical Society of Canada</i>	Illustrated talk celebrating the 50th anniversary of the Apollo 11 mission.
8:30–11 p.m.	<b>OBSERVING THE NIGHT SKY*</b> / For all <i>Société d'astronomie du Planétarium de Montréal, Royal Astronomical Society of Canada, Astro-Poly</i>	Observe the night sky, with the naked eye or a telescope. You can see more than just the moon in the deep sky, even in a big city like Montréal.

\*Outdoor activity, weather permitting.

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