

**Bringing Space to Canadian
Classrooms**

Canadian Space Agency

**Space Learning Program
Results**

2009

Primary Areas of Focus

-  Pedagogical Resource Development
-  Student Workshops
-  Professional Development
-  Special Projects
-  Funding Opportunities for Student and Educator Learning

Pedagogical Resource Development



Curriculum-relevant resources developed in support of Mission STS-127 and the First Canadian Expedition Mission to the ISS were requested by 100,000 classrooms reaching over 3,000,000 students across Canada at the primary and secondary school levels

Student Workshops

- Provide students with access to scientists and engineers in an intimate setting (maximum 35 per session)
- Three types: On-site, in-class and distance learning
- 2009: 45 On-site events; 49 off-site events
34 distance learning events
- Engaged over 12,000 students at the primary, secondary and post-secondary levels in authentic learning.



Professional Development

- Hands-on workshops hosted by CSA Scientists & Engineers designed to provide educators with knowledge & tools required to use space as the context to teach a variety of subjects in their classrooms
- Year-round with Boards of Education, Science Teacher Associations and University Faculties of Education.
- Eight professional development workshops in 2009 including the CSA's annual Educator Conference reached an additional 1200 educators to further develop the space education community within Canada.



Special Projects

- Engages primary and secondary students in authentic science learning by providing a problem-solving opportunity that reflects issues being researched in Canadian space laboratories.
- In 2009 over 12,000 classrooms participated, reaching 360,600 students



Special Projects

- Astromenu design challenge resulted in 647 student proposals for space menus
- Over 16,000 students participated in the Get Fit for Space Program
- Both initiatives developed in support of the First Canadian Expedition to the ISS



Canada Space Agency / Agence spatiale canadienne

SOMETHING'S COOKING FOR CANADIAN STUDENTS...

As the Expedition 20/21 crew with Canadian astronaut Robert (Bob) Thirsk streaks through space toward the International Space Station, students across Canada will be faced with a meaty challenge... learn about the science of nutrition and create a menu of healthy and **TASTY SPACE TREATS FOR BOB!**

Bob is Canada's first astronaut to take part in a long-duration space mission aboard the International Space Station. He will live and work in weightlessness for six-months.

The **ASTROMENU** Design Contest provides youth, families, students and educators with a stellar opportunity to learn about the fundamentals of healthy eating, on Earth and in space. Participants are encouraged to bring their culinary creativity and science knowledge to the table as they "cook up"

ASTROMENU CONTEST

For more information about the **ASTROMENU** Design Contest please visit:
www.asc-csa.gc.ca/astromenu_e

Take the challenge and you may win a constellation of prizes!
Menu Submission Deadline:
May 15, 2009

À propos du défi • Ouvrir une session

Canada



En forme pour l'espace

Avec Bob Thirsk

Relevez le défi!

Courez, marchez, pédalez, et préparez-vous à de **nouveaux sommets** sur le plan de la santé physique grâce au **Programme spatial canadien!**

Special Projects

1,950 students participated in live downlinks with CSA Astronaut Dr. Robert Thirsk during the First Canadian Expedition to the ISS, while another 8,000 viewed the events on-line via streaming



Funding Opportunities for Student and Educator Learning



Reached 3,421,700 Canadian students through projects funded by CSA Space Learning Program contributions

Facilitated the participation of 2546 Canadian students in space-focused learning opportunities through CSA Space Learning Program Grants

