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.



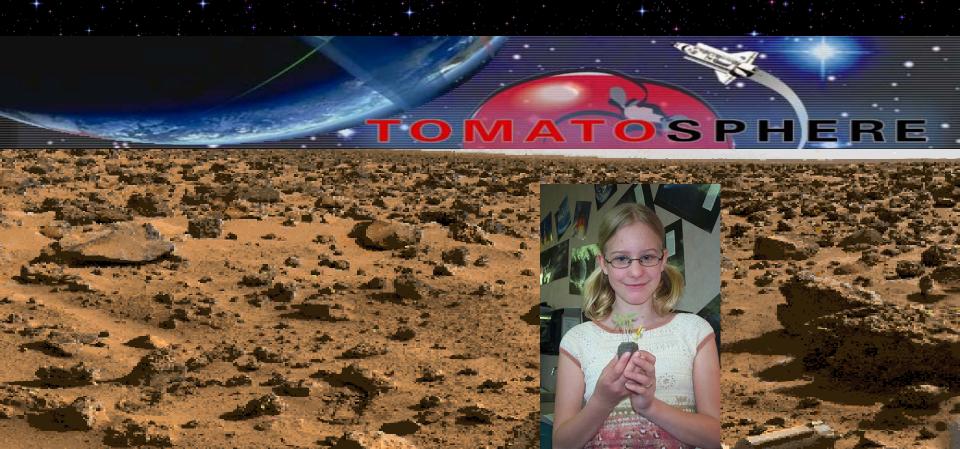
Professional Development

- •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



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



