



ONE LAPTOP PER CHILD

Creating A Brighter Future for Aboriginal Children in Canada using Technology

February 2010

What is ONE LAPTOP PER CHILD?

- Created in 2005 by Nicholas Negroponte – Founder and Chairman Emeritus of MIT's Media Lab.
- A rugged, low-cost, low-power, connected laptop with customized content.
- A tool to get Aboriginal kids engaged in their own education.



OLPC in Action Globally



1.4 million laptops. 1.4 million children. 35 countries.

Why OLPC?

OLPC provides each child, age 6-12, access to education, creativity and technology.

OLPC combats boredom – a leading cause of school absenteeism

Offers a 21st century solution for children, their parents and teachers.

What will the laptop have on it?

- Literacy program with Aboriginal content
- Customized financial literacy program with practical banking
- 100 books, 50 of which will be written by Aboriginal authors
- Connectivity to the internet
- Mentorship and leadership program for Aboriginal children
- Games to improve dexterity, self esteem and creativity
- Nutrition Guide for Aboriginal People
- Physical exercise program



Who will benefit from OLPC?

- Aboriginal children, 6-12 years of age
- Parents
- The Community
- Teachers
- Other Family members
- Canadians



Accomplishments to date

- An increase in school attendance
- Children care about school
- Children feel learning and discovery is worth the effort
- Children feel compelled to learn
- Children feel their ideas and opinions are important
- Initiative and creativity are increased
- Noticeable bonding with teachers
- Increased confidence and security
- Improved personal relations
- Children and parents learn together – parents use the laptop to learn how to read



Source: Ministry of Education, Peru & Institute for Learning Technologies Teachers College/Columbia University , June 2008

Challenges & Opportunities

Challenge 1 | **Breakage**

Solution: To date, OLPC has experienced less than 1% defect rate with its devices.

Challenge 2 | **Training**

Solution: Aboriginal adolescents to be trained and paid to execute the program.

Challenge 3 | **Cost**

Solution: OLPC is a low cost solution that can be shared between government, private sector, not for profit organizations & individuals.

Potential Partners & Supporters



Potential Partners

- Government –Federal & Provincial
- Not-for-Profit
- Private Sector

Why is this a worthwhile investment?

- ✓OLPC is a strategic investment in the skills and training of Aboriginal youth, teachers, parents and the community
- ✓OLPC will help Aboriginal youth take advantage of new opportunities
- ✓OLPC will improve the financial literacy of Aboriginal children from a young age
- ✓OLPC will improve technical skills & create jobs for Aboriginal adolescents
- ✓OLPC is an investment that deals with health (mental and physical) education and will connect Aboriginal children to each other and other children in Canada and around the world
- ✓OLPC will support Aboriginal history and culture



Investment required?

- **Approximately \$250.00 per child post pilot**



- **Cost to Aboriginal students, schools & community- \$0.00**



Proposed Execution of OLPC

Phase 1:

- Content development and evaluation protocol
- Secure key content and financing partners
- Customize the laptop with OLPC & Training
- Launch the pilot in 6-10 communities (5000 kids)
 - September 2010
- Recalibrate the program where necessary



Phase 2:

- Execute awareness campaign to all FN, Inuit and Métis communities about OLPC
- Invite communities to participate
- National rollout to qualifying communities

Phase 3:

- Continue to develop programs, outreach, enrolling new communities
- Evaluation of first phase users – October 2011
- Report back to stakeholder groups on the program progress