One Laptop Per Child

What’s the fuss all about?

Presented by
Caryl Bigenho, OLPC Support Volunteer
CUE 2009 Palm Springs, CA
March 4, 2009
It’s An Education Project!  Nicaragua
Origins At MIT

- Seymour Papert

Remember LOGO?
MIT Media Lab

Nicolas Negroponte

Mary Lou Jepson

Announcing OLPC

Alan Kay
Project Ceibal Uruguay
202,000+ laptops
Mongolia 10,100+ Laptops

Gyr or Yurt
A Privately Funded XO Deployment in the Caribbean Area

- Immokalee, FL
- Nicaragua
- Haiti
- St. John, VI
- St. Vincent
Some Other Deployments

Afghanistan 11,000+  (Partner Country)

Ethiopia 5000  (Partner Country)

Nepal 6000  (Grassroots Deployment)

Ghana 1000  (Partner Country)
## Deployment Summary (1)

<table>
<thead>
<tr>
<th>Country</th>
<th>XOs delivered, shipped and ordered</th>
<th>Language</th>
<th>Keyboard</th>
<th>Software release</th>
<th>School server status</th>
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Meet The XO

Some Prototypes

Today’s XO

The Future?
137 Activities!

- General Search and Discovery (5)
- Documents (Read, Write, and Share) (7)
- Feeds: News and more (1)
- Chat, Mail, and Talk (4)
- Drawing & Media creation/editing (14)
- Programming (13)
- Math & Science (18)
- Maps and Geography (4)
- Media, Audio & Video Players (3)
- Games (47)
- Teacher and New User Tools (5)
- Other (16)

http://wiki.laptop.org/go/Activities/All
Sharks

by Nittaya, Jaruwan, Yupin, Viroj

In some form, sharks have been around for about 400 million years. Even before dinosaurs roamed the earth, sharks hunted through the oceans! They're such good survivors that they've had little need to evolve in the last 150 million years. These ancient predators fascinate adults and children alike. Sharks have the most powerful jaws on the planet. Unlike most animals' jaws, both the sharks' upper and lower jaws move.

A shark bites with it's lower jaw first and then its upper. It tosses its head back and forth to tear loose a piece of meat which it swallows whole. Each type of shark has a different shaped tooth depending on their diet. (The shark in the photo is a great white—you can tell he's a carnivore just by looking at those sharp, pointy teeth!)

A shark may grow and use over 20,000 teeth in its lifetime! Sharks never run out of teeth. If one is lost, another spins forward from the rows and rows of backup teeth. Normally, sharks eat alone. But sometimes one feeding shark attracts others. They swim up as quickly as possible and all begin to try to get a piece of the prey. They bite wildly at anything that gets in their way—even each other.

The great white shark rarely partakes in feeding frenzies. Almost all sharks are "carnivores" or meat eaters. They live on a diet of fish and sea mammals (like dolphins and seals) and even such prey as turtles and seagulls. Sharks even eat other sharks. For example, a tiger shark might eat a bull shark, a bull shark might eat a blacktip shark and a blacktip shark might eat a dogfish shark!
Record Activity

OLPC Thailand

9-months-old 9-years-old 92-years-old
Programming for Kids

• Turtle Art
• EToys
• Scratch
• Pippy
• Terminal
Measure Activity

Oscilloscope

Electronic Tuning “Fork”

Temperature Sensor

Temperature Turtle Art
How To Contribute

Educator

People Person

Translator

Developer

Designer

Content Writer
START A PROJECT THAT WILL CHANGE KIDS' LIVES WORLDWIDE!

http://wiki.laptop.org/go/Contributors_program
• Design Lesson Plans Using Sugar Activities
• Write Teacher Guides
• Write Textbook Templates for ebooks
• Provide Feedback for Software Developers
• Help Set Educational Goals
• Suggest New Educational Activities
Students

College and University        Grad and Undergrad

• Apply For Summer Programs Abroad

• OLPCorps Africa
  • Application Deadline March 27, 2009
    http://wiki.laptop.org/go/OLPCorps_Africa
  • Summer Interns In Uruguay and Peru
    • Application Deadline March 8, 2009
      http://wiki.laptop.org/go/Internships

• Universities, Colleges, and High Schools
  • Start A Campus Chapter
    http://wiki.laptop.org/go/University_program
Translators

- Translate and “Localize” Activities
- Translate wiki Pages With the “Wiki Team”
- Translate Using Pootle
- Most Languages Needed
• Program in Python, C, GTK+
• File & Fix Bugs
• Design & Build Sugar & Activities
• Develop New Features
• Design New Peripherals
• “Sugarize” Existing Open-Source Programs
Cows and effect

Cows — and some creativity — drive a unique experiment launched by the One Laptop Per Child foundation

C Sujit Chandra Kumar
Mumbai

At Village Khairat in Raigad district, about 40 km east of Navi Mumbai, the scene seems surreal. Just outside a one-classroom school set amid a cluster of huts, a teacher and 22 children carrying colourful laptops are conducting a unique experiment that makes a bullock cart stop in its tracks.

What I see is a contraption that connects the two wheel-rims of a motorcycle to the dynamo of an old Fiat car. The rims are connected by a belt and they act as pulleys. They are in turn attached to a cow that goes round, making them revolve. The other end is connected to a laptop.

A cow-powered laptop? Bizarre as that sounds, it is not hard to see why it works here, in village Khairat, where every household has a few cows and the villagers, who belong to a nomadic tribe, sell milk for a living. The idea came from Arjun Sarwal, a student of the Delhi Institute of Technology and volunteer with the One Laptop Per Child (OLPC) foundation. “In these remote villages, there is often no power for up to seven hours a day because of load-shedding. Solar panels are not cheap and generators have recurring costs. So we thought of this alternative source of energy. With one cow, we..."
Content Writer

- Write A FLOSS Manual For Your Favorite Activity
- Write Lesson Plans
- Write Wiki Pages
- Write How-tos
- Write FAQs
• Sugar Art Work
• Activity Image Content
• User Interface Design
• Web Design
• Icons
• Design Mock-ups
People Person

- Help/Support Team
- Conferences
- Press Releases
- Local Events
- Sugar Labs Forum
- Cat Herding
The XO In Your District

• Due to Economy of Scale
  • New Orders need to be 10,000 or more
    • Districts can pool orders
• $259 per laptop includes:
  • Spare parts, onsite assistance from OLPC staff
  • Online support
• Deployment Guide available online at:
Run Sugar On The Computers You Already Have!

“Live” CD

“SoaS”: Sugar On A Stick
http://sugarlabs.org/go/Sugar_on_a_Stick
Contacts

help@ laptop.org   caryl@laptop.org

http://wiki.laptop.org/go/Participate

http://sugarlabs.org/go/Sugar_Labs/GettingInvolved
End Notes

- Want to try the XO? 5 laptops available for hands-on in the networking lounge at:
  - Thursday 2 pm to 4:30 pm
  - Friday 10 am to 12:30 am
  - Saturday Noon to 2 pm

- Interested in a Southern California grassroots LAXO-Sugar SIG? Sign-up on the CUE Community webpage for this presentation, email caryl@laptop.org, or do it the old-fashioned way and sign a paper list at one on my hands-on sessions.