



One Laptop per Child

OLPC Nepal
<info@olpcnepal.org>





An Education Project

OLPC is not merely a Laptop/Technological Project

it's an “Education Project”

Even more basically, OLPC is about

Eliminating Poverty Through Education





Learning is The Main Goal

It's not about Computer Literacy

it's about “Learning Learning”

When you start going to school first – you stop learning because of Curiosity, but start learning because of Authority

it's about “Changing How Kids Learn”





Ability vs. Opportunity

there are about 1.2 billion kids in the developing world,
that's 1/5th of the total population of the planet,
who don't have proper access to learning.

it is not a matter of not being able to learn
it is really a matter of
not having the “opportunity” to learn





Ability vs. Opportunity

Fifty percent of them have no electricity
fifty percent are rural
usually those overlap considerably

How do you fix that?





The Solution

The answer could be:
building more schools and training more teachers
not in the sense that's a bad thing to do,

BUT

that's going to take a very, very long time





The Solution

Use of Computers?
Information and Communication Technology?

How?





Ability vs. Opportunity

Building Computer Labs in schools was an earlier approach and perhaps the only one approach possible in the past

Today, OLPC has put forward additional approach available





The Solution

why?





The Solution

The exponential growth of knowledge in the world since the ubiquitous presence of computers is undeniable. This growth of knowledge was achieved not merely by using computers as books, or televisions, or as communication devices

What is different is the protean nature of the computer, enabling anyone to

express his or her own ideas,
to model the thinking,
to reflect and gain feedback, to debug,
and to begin the cycle again.





The Solution

When each child has a laptop at his or her disposal,
that child is freed

to build, to explore,
to express, to collaborate,
to reflect, to debug,
to model, to imagine,
and to construct;
not only alone
but with others anywhere, any time.





The Solution

The computer is the most powerful learning tool yet invented

The problem with them till yet is:

not the Computer but
the way they are being used





The Solution

We get people who say,
"Well, we've been running a laptop program in the state of Maine
and there's no major difference in their testing scores."

NO

but they're
a far more creative bunch of kids
who are doing much more innovative work.





The Laptop

XO





The Laptop/Power

it operates at less than two watts.

Your laptop operates at thirty-five to forty.

it's very important because the two watts means that a child can crank it,

It's within the range of what we call
human power





The Laptop/Display

Your laptop, if you try and use it outdoors,
you just can't!



But you can use XO in
Bright Sunlight

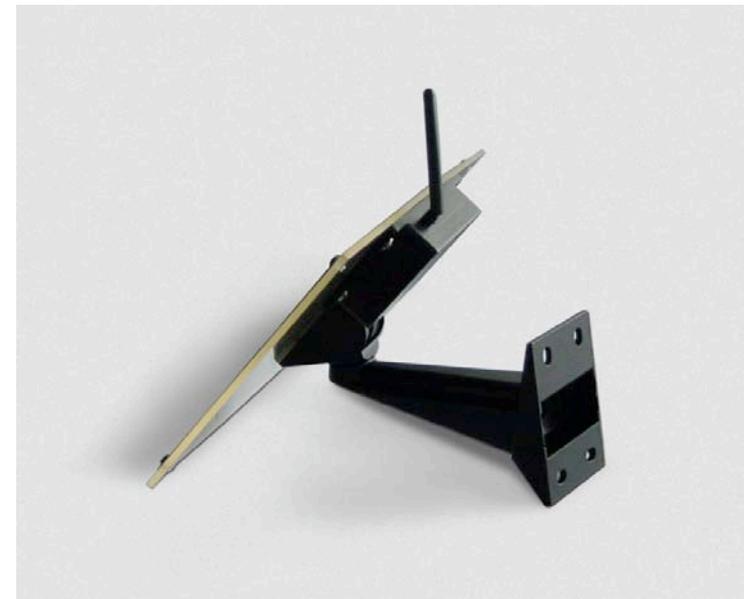


The Laptop/Network



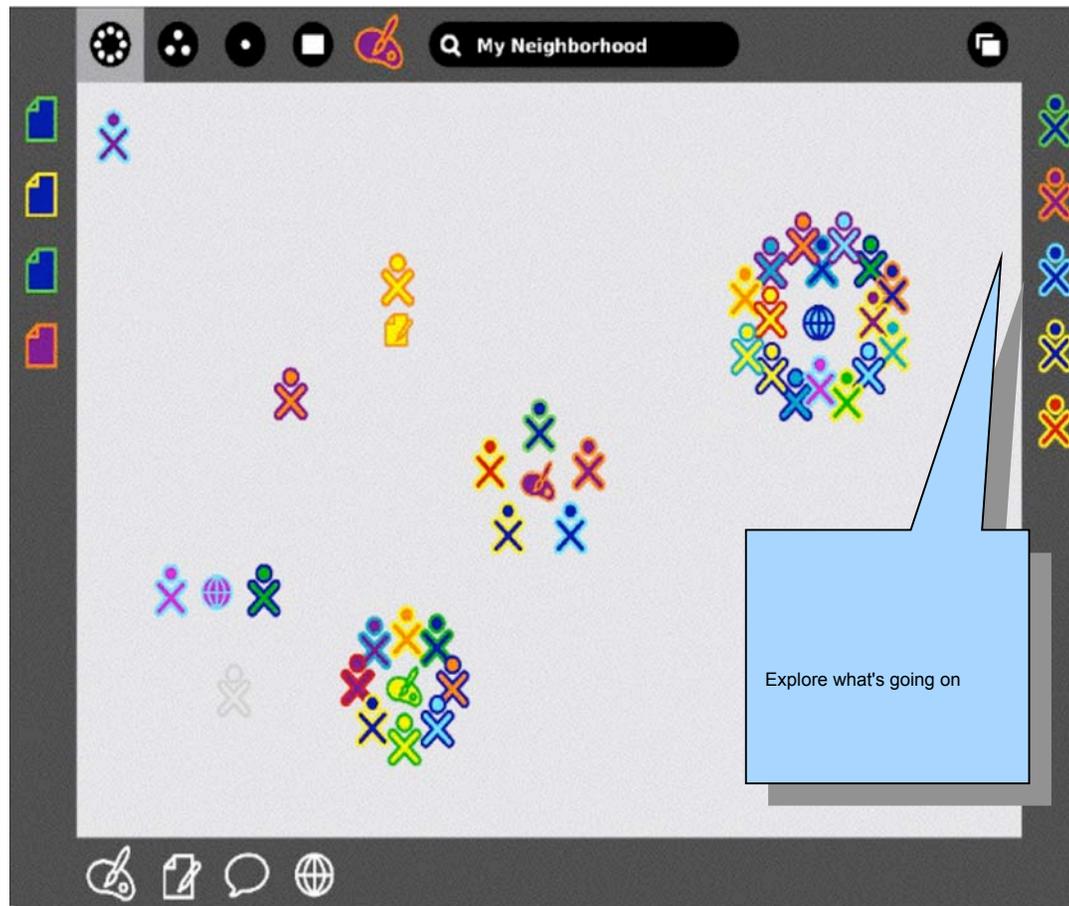
How computers
communicate

the ears are the way
the laptop communicates
to the rest of the world





The Laptop/Network





The Laptop/Network

Thursday, September 21, 2006

- At 6:45 PM, you made: **"A Drawing of the Ocean"** with: [5 avatars]
- At 2:15 PM, you browsed the web with: [3 avatars]
- At 4:30 PM, you wrote: **"Many Kinds of Ships"** with: [1 avatar]

Wednesday, September 20, 2006

- At 5:15 PM, you browsed the web with: [5 avatars]
- At 2:45 PM, you made: **"My Classroom"** with: [2 avatars]
- At 10:45 AM, you browsed the web with: [1 avatar]
- At 9:15 AM, you wrote: **"All About Sharks"** with: [7 avatars]





The Laptop/Network

Go back

Today, at 11:25 PM "Fishes in the Sea" with: [User Icons]

Previous versions:

January 11, at 6:53 PM "Fishes in the Sea" [Resume]

Preview: I drew

Send to:

- My friends
- My class
- Adirake
- Anula
- Banjit
- Chai
- Duanjal
- Jaldee

Add a new tag:

- ocean
- fish
- bubbles

Share with: [Dropdown] Send this [Email Icon]

Erase

January 11, at 5:27 PM "Fishes in the Sea" with: [User Icon]

We should make some birds.

Shark

Let's draw a shark here!

Yeah, I'll help!

Great fish! I'm going to add an octopus.

ocean

fish

bubbles





Open Source

And the most important thing

OPEN SOURCE!





Open Source

The Web grew exponentially as people everywhere were able to create their own web-based content and applications, since they had the freedom to see what others had created in order to appropriate it, modify it, and make it their own.

It is sort of a slap to our own face if we shipped essentially a black box that kids can't look into or change how it works.





Open Source

The idea is that

you take something, change it,
put it back together
and make it better





The Laptop/Features

Other stuffs

- camera
- high quality audio
- USB ports
- e-book mode
- water, dust proof
- writing pad
- no moving parts
- localized keyboard



OLPC Nepal



The Content on this slide are licensed under GNU Free Documentation License (GNU FD



OLPC Nepal





OLPC Nepal



The Content on this slide are licensed under GNU Free Documentation License (GNU FD



OLPC Nepal





OLPC Nepal



The Content on this slide are licensed under GNU Free Documentation License (GNU FD



OLPC Nepal





Conclusion

The question of whether to invest in laptops or not is not binary.
It is not that there is one perfect thing to do and nothing else has value.
One can do good things in a variety of environments.

The real question is:

What actions now,
what investments,
bring the best trajectory for long-term gain?





Thank you!

References: <http://laptop.org>

<http://olpcnepal.org>

<http://wiki.laptop.org>

Contact:

OLPC Nepal Development Lab

Tripureswor, Kathmandu

Phone: +977-1-6915359

Email: info@olpcnepal.org

<http://wiki.olpcnepal.org>

