OLPC and sugarlabs

 Invite You To Come Play With Us!

Presented by Caryl Bigenho
OLPC and Sugar Labs Volunteer
SCaLE 9X
Los Angeles, California
February 26, 2011
play  (plā)
v. played, play·ing, plays
v.intr.
1. To occupy oneself in amusement, sport, or other recreation.
Sugar Turns Learning Into Play
And Play Into Learning
In Memorize You Can Make Your Own Games

Create Art With Paint

Make Your Own Story In Write
Make Your Computer Speak 30+ Languages!

Experiment With Sound In Measure

Experiment With Shapes in Physics

Play Music With TamTam
460 Activities, 4,750,000 Downloads
Run Sugar On Computers You Already Have!

Linux, Windows, Mac OSX
Desktop, Laptop, Netbook, even a Classmate touch!
“SoaS”: Sugar On A Stick Comes In Many “Flavors

* Strawberry
* Blueberry
* Mirabelle
* Mango Lassi
* Frequent updates in new “fruit flavors”

Mac’s Need Virtual Box Or A Boot Helper Disk

Live CD
Sugar On The XO

Sugar

Gnome

Dual Boot Available on XO-1 and XO-1.5
Hardware Update

XO-1 and XO-1.5

XO-1.5HS

New XO-1.75 Supports Hand-Crank ARM processor uses less power

XO-3 Prototype
XO laptop directions overview

Today’s machine

XO-1
- 11/2005 Announcement
- 2006-2009: A, B1, B2, B3, C1, C2
- CL1A
- 4/2009 Announcement
- 4/2009 Announcement
- 1/2010 Production
- AMD Geode, 400 MHz, 298MHz RAM, 1Gb Flash, Dual mode screen, WIFI reach

XO-1.5
- 4/2009 Announcement
- 9/2009
- 2010-2011
- VIA C7-M, 1 Gho, 1Gb RAM, 4Gb Flash, Dual mode screen, WIFI

XO-1.75
- 10/2009 Announcement
- 1/2009 Mock-up
- 10/2009 Stopped
- 11/2010 Prototype
- ARM processor

Visions

XO-2
- 5/2008 Announcement
- 2009
- 1/2009 Mock-up
- 10/2009 Stopped
- Double multi-touch screen

XO-3
- 2009
- 10/2009 Announcement
- 1/2012 Prototype
- Single sheet

This map is not the official roadmap of the One Laptop Per Child organization. Information compiled by Lionel Lasè for OLPC France (http://olpc-france.org), v0.3, November 2009.
Over 1.8 Million XOs Deployed Worldwide

Ethiopia

Ghana

Uruguay

Nepal
XO and Sugar Deployments and Projects
Now Circle the Globe

This new map is “under construction.”
Consider adding your name and project!
Start A Club or School Chapter

Clubs and Chapters Do Projects & Meet Regularly With XOs and Sugar

Olin College

Harvard University
Start A Repair Center
Collaborate To Write And Translate eBooks
Do Community Outreach
Help People Learn to Use the XO & Sugar Software

Write And Test New Activities and Sugar On A Stick

FotoToon
START A PROJECT THAT WILL CHANGE KIDS' LIVES WORLDWIDE!

http://wiki.laptop.org/go/Contributors_program
Try Your Priceless Idea With a Hardware Project
Share Your Results With The OLPC/Sugar Community

Electronic Tuning “Fork”
Temperature Sensor
Hardware Project In Southern California

CSUN researchers Use XOs to develop inexpensive wind shear detection system for small airports

Published Research Paper
What's on the computers?

Setup

Terminal Activity

bash-3.2#
bash-3.2#
bash-3.2#
bash-3.2#
bash-3.2#
bash-3.2# python multiCastSender.py &
[1] 2810
bash-3.2# 000 10 ZEPH01 150550.000 0000.0000 N 00000.0000 E 0.0 67.50 0.0 90.00
bash-3.2# 11 ZEPH01 150644.000 0000.0000 N 00000.0000 E 0.0 67.50 0.0 90.00
bash-3.2# 12 ZEPH01 150611.000 0000.0000 N 00000.0000 E 0.0 67.50 0.0 90.00
bash-3.2# 13 ZEPH01 150619.000 0000.0000 N 00000.0000 E 0.0 67.50 0.0 90.00
bash-3.2# 14 ZEPH01 150627.000 0000.0000 N 00000.0000 E 0.0 67.50 0.0 90.00
bash-3.2# 15 ZEPH01 150634.000 0000.0000 N 00000.0000 E 0.0 67.50 0.0 90.00

Output

03:15:30 UTC: HZ WShear Detected between ZEPH27 and ZEPH22, Distance 3.21km|Value 51.63m/s
03:15:30 UTC: HZ WShear Detected between ZEPH27 and ZEPH21, Distance 1.66km|Value 31.65m/s
03:15:30 UTC: VT WShear Detected between ZEPH27 and ZEPH21, Distance 1.66km|Value 5088.6fp
m
No wind shear Between ZEPH27 and ZEPH20.

Server Received:
000 29 ZEPH25 031532.100 3423.7439 N 11838.504 W 21.9 203.0 1065.9 11.7
Current Working NodeSet is set(['ZEPH03', 'ZEPH02', 'ZEPH16', 'ZEPH17', 'ZEPH14', 'ZEPH15',
'ZEPH12', 'ZEPH13', 'ZEPH10', 'ZEPH11', 'ZEPH18', 'ZEPH19', 'ZEPH23', 'ZEPH08', 'ZEPH05',
'ZEPH04', 'ZEPH07', 'ZEPH06', 'ZEPH01', 'ZEPH00', 'ZEPH29', 'ZEPH28', 'ZEPH27', 'ZEPH26',
'ZEPH24', 'ZEPH09', 'ZEPH22', 'ZEPH21', 'ZEPH20'])
No wind shear Between ZEPH25 and ZEPH03.

03:15:32 UTC: HZ WShear Detected between ZEPH25 and ZEPH02, Distance 1.34km|Value 42.17m/s
03:15:32 UTC: VT WShear Detected between ZEPH25 and ZEPH02, Distance 1.34km|Value 2233.1fp
m

Try Your Priceless Learning Idea With a Small Deployment
Share Your Results With The OLPC/Sugar Community

Honduras

Vietnam
A New PenPal Project in the Making

FAMLi After School Program Contributors Project At Audubon MS

AGYA/USC Contributors Project in Kampala, Uganda
A service learning project between students at New Tech High in Coppell Texas and students in Ghana at a center for former child slaves. They are using XO laptops as a communication tool to create relationships and educational math tools.
UCSB Contributors Project Pairs
Kellogg School in Goleta With
John Osogo School in Kenya
Here’s Your “Take-Away”

Caryl Bigenho, OLPC Support Volunteer

caryl@laptop.org  help@laptop.org  sugarlabs

Useful Links

help@laptop.org
http://wiki.laptop.org/go/Contributors_Program
http://wiki.sugarlabs.org/go/Sugar_on_a_Stick/Strawberry
http://wiki.sugarlabs.org/go/Sugar_on_a_Stick/Blueberry
http://wiki.laptop.org/go/Participate
http://wiki.laptop.org/go/University_program
http://wiki.laptop.org/go/Community_mailing_lists
http://blog.laptop.org/
http://www.sugarlabs.org/
http://www.flickr.com/photos/olpc