THE OLPC VISUALIZED

What is it?
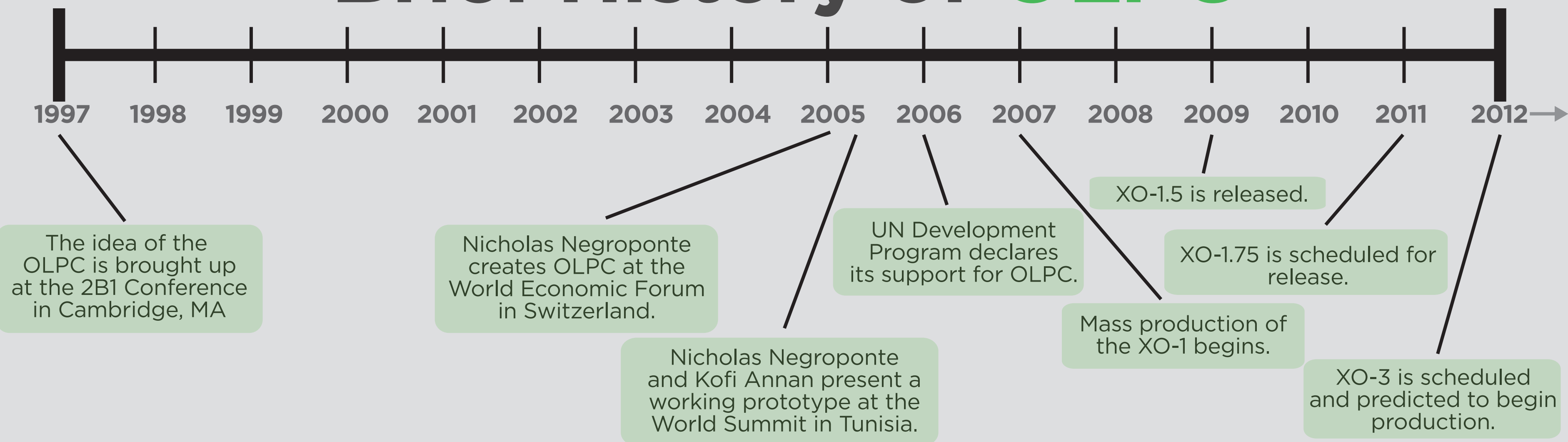
The One Laptop Per Child organization provides students across the world with affordable laptops to introduce them to the 21st century world.
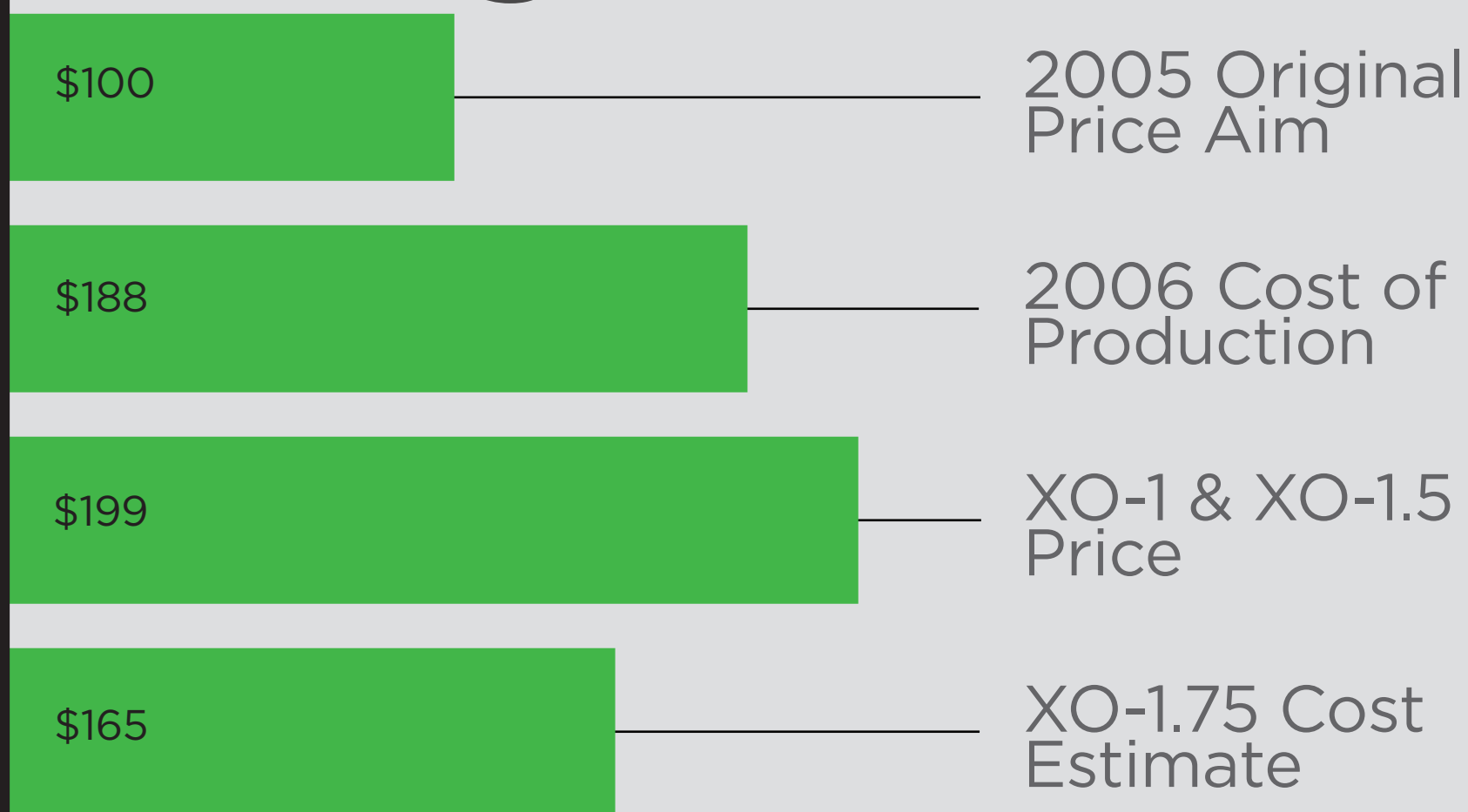
Designed with 5 core principles:
1. The kids keep the laptops.
2. Focus on early education.
3. No one gets left out.
4. Connection to the internet.
5. Free to grow and adapt.

Brief History of OLPC

1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012→

1997: The idea of the OLPC is brought up at the 2B1 Conference in Cambridge, MA

2005: Nicholas Negroponte creates OLPC at the World Economic Forum in Switzerland.

2005: Nicholas Negroponte and Kofi Annan present a working prototype at the World Summit in Tunisia.

2006: UN Development Program declares its support for OLPC.

2007: Mass production of the XO-1 begins.

2009: XO-1.5 is released.

2011: XO-1.75 is scheduled for release.

2011: XO-3 is scheduled and predicted to begin production.

Pricing of XO-Series

$100	2005 Original Price Aim
$188	2006 Cost of Production
$199	XO-1 & XO-1.5 Price
$165	XO-1.75 Cost Estimate

XO Internals

XO

CPU:
XO-1: 477MHz AMD Geode
XO-1.5: 1.0GHz VIA
XO-1.75: 1.0GHZ ARM

RAM:
XO-1: 256MB
XO-1.5: 1GB DDR2
XO-1.75: 1GB DDR3

Storage:
XO-1: 1GB Flash
XO-1.5: 4GB Flash
XO-1.75: 4GB Flash

Features:
-7.5in Screen
-SD card slot
-802.11b/g wi-fi
-Trackpad
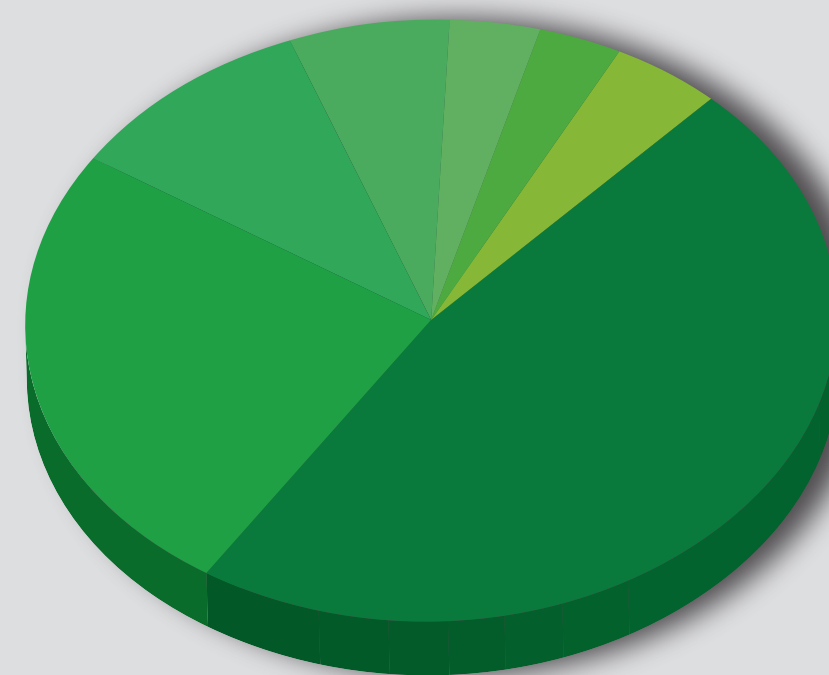-Speakers
-Microphone
-Video Camera

Powering the XO

As a main power source is not something everyone has, especially in developing countries, different power options have been introduced.
Hand cranks, solar panels, cow manure energy, pull strings, and even yo-yo chargers have been used.
Although creating more efficient sources of power is key in improving the battery life, an aspect that is just as crucial is developing parts that use less energy. For example, the XO-1.75 introduces an ARM CPU that drastically reduces the amount of power required.
Science leads in improving the battery life in the XO. Developments in lithium technologies, CPU, GPU, NAND, and DDR is a large factor in universalizing education.

Where has the XO gone?

- Peru - 870,000
- Urugay - 460,000
- Give1Get1 - 180,000
- Rwanda - 120,000
- Colombia - 65,000
- Argentina - 60,000
- Other - 80,000

*2010 Estimate

Created by Jeff Shin & Alex Klingle http://jefferyshin.com
find out about OLPC's global success and it's impact on the world at http://olpcMAP.net