

# Laptop Liberation

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**Benjamin Mako Hill**  
<http://mako.cc>

**One Laptop Per Child Project**  
**Free Software Foundation**



It's an education project, not a laptop project.  
—Nicholas Negroponte

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# The ~~\$100~~ \$180 Laptop

**I. Child Ownership**

**II. Low Ages**

**III. Saturation**

**IV. Connection**

**V. Free and Open Source**

# XO-1 Hardware

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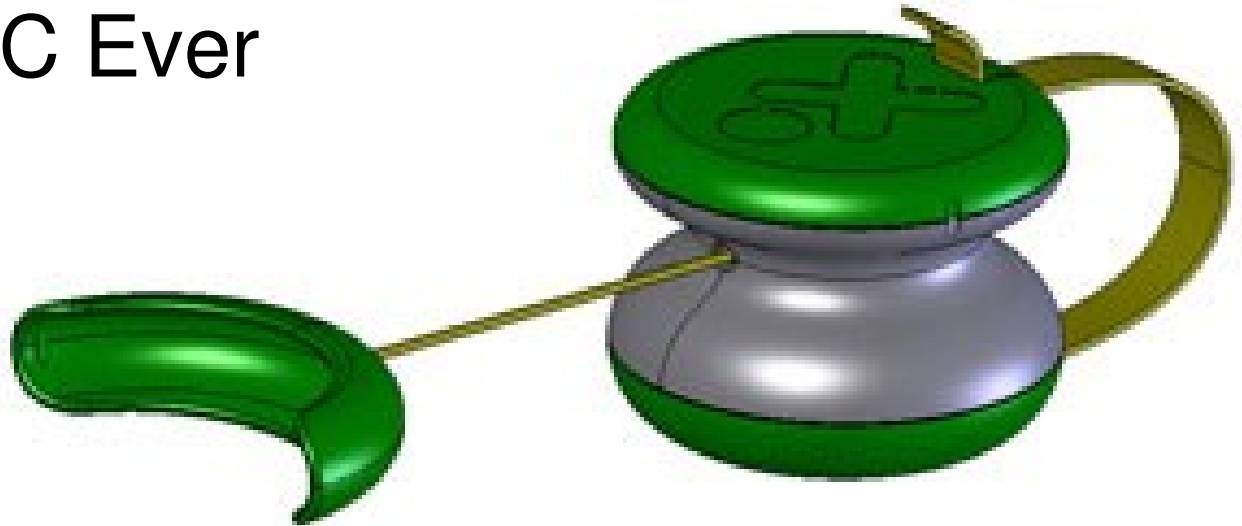


- AMD Geode 433MHz CPU
- 256MB RAM
- 1GB Internal Flash (+SD)
- Wireless Mesh Networking
- 6" x 4.5" Screen
  - 1200x800 B&W (Reflective)
  - 800x600 Color
- Camera 640x480
- USB Ports, Game Buttons
- Rugged/Water Resistant

# XO-1 Power Consumption

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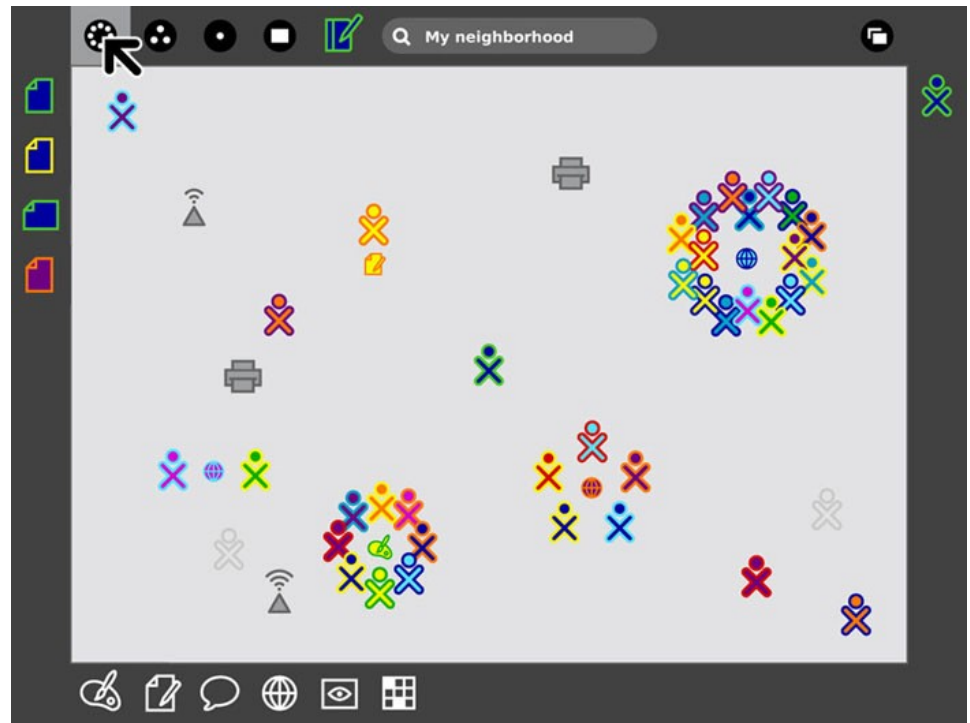
- Target Power: 1 watt
- Low Power Ebook Mode
- Flexible Input (10-20V)
- Human/Solar Power Options
- “Greenest” PC Ever



# XO-1 Software

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- New *Sugar* UI
- Few Words
- Activities instead of Applications
- Fedora and GNU/Linux
- Python, C, C++



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# Free Software



# Free Software Defined

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The freedom to...

- ... use software for any purpose.
- ... study and modify.
- ... distribute copies to others.
- ... collaborate and share your changes.

I. Child Ownership

II. Low Ages

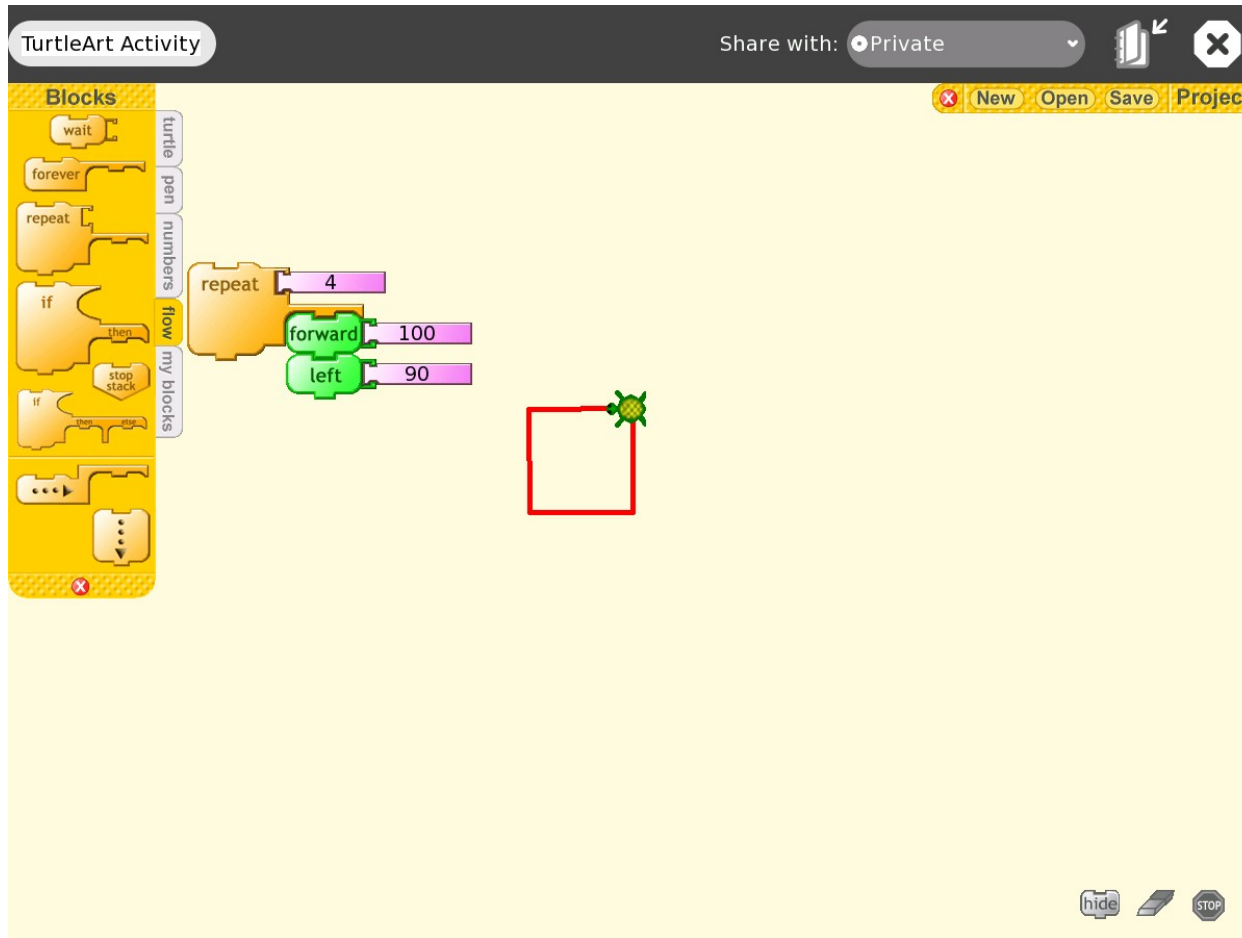
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# Pedagogical Philosophy

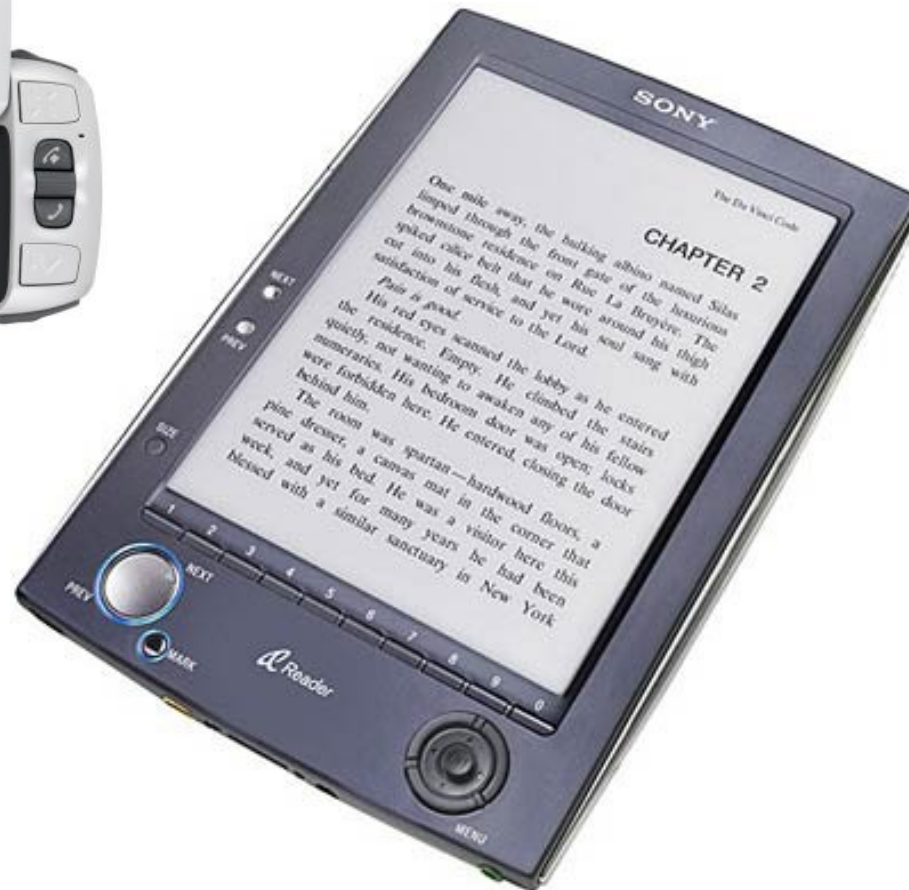
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Learning, Not Teaching

# Alternatives

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## **One Laptop Per Child**

<http://laptop.org>

<http://wiki.laptop.org>

## **Free Software Foundation**

<http://www.fsf.org>

Give One.  
Get One.



<http://laptopgiving.org>