

FOSS & Education

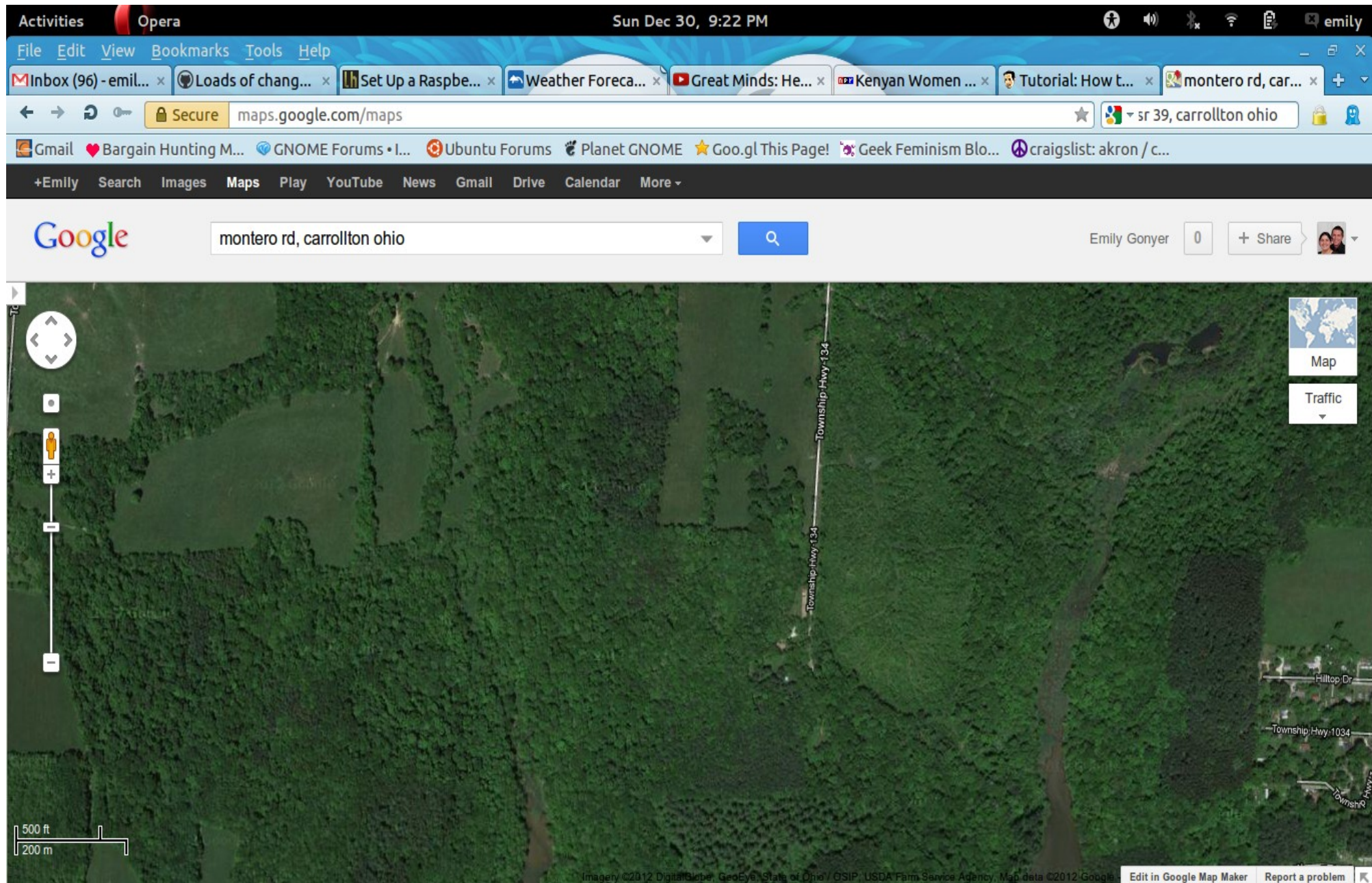
By Emily Gonyer

Education is what is left when you have forgotten all the facts. – Goethe

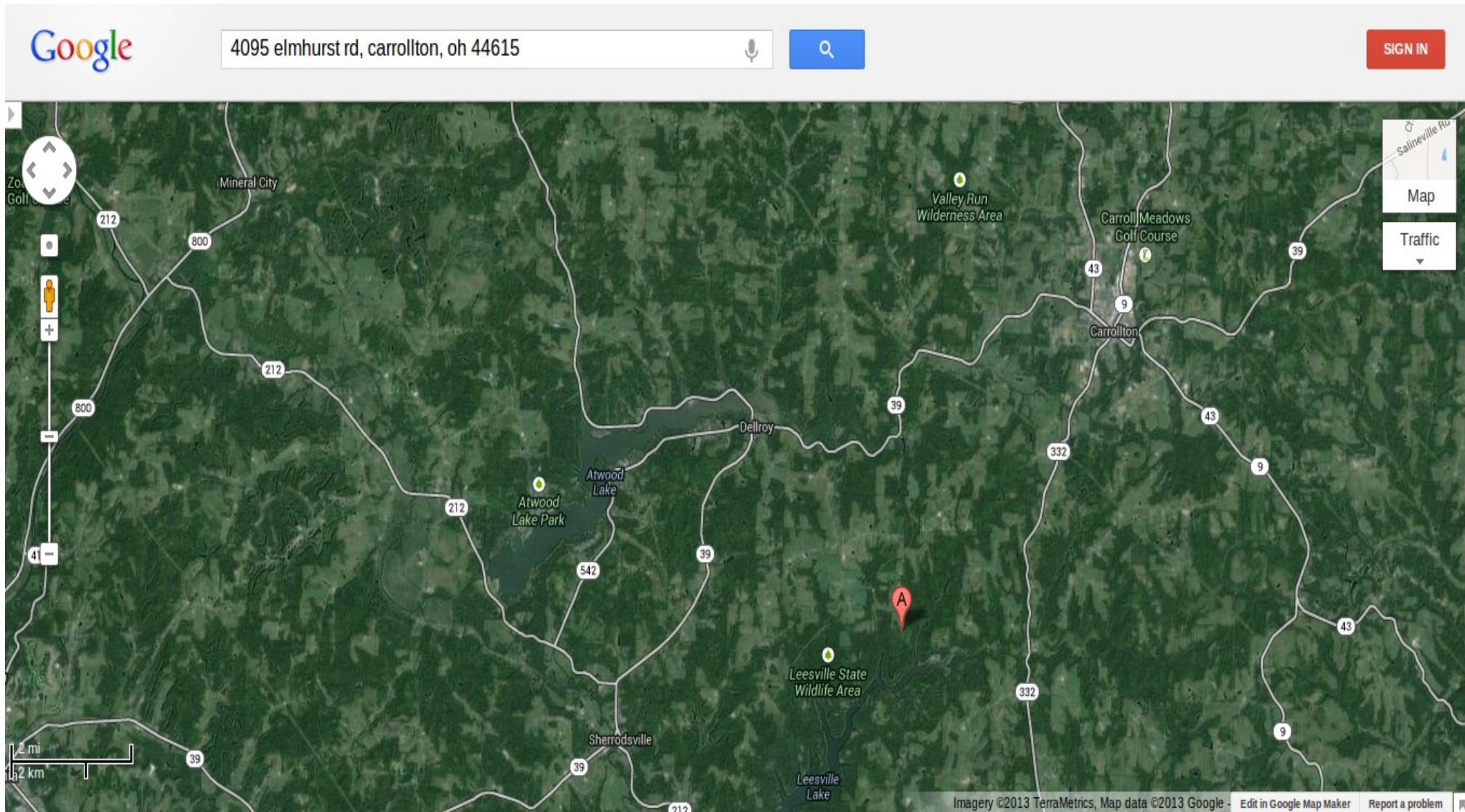
I was homeschooled :)

- Started homeschooling in 4th grade (1993 - 2002)
- Graduated from Clonlara School (Ann Arbor, MI) in 2002
- Attended Kent State Tuscarwus for 1 semester
- Hocking College: Associates of Applied Sciences Degrees in Backcountry Horsemanship & Natural Resource Management
- Various other credits (mostly in spanish) from Universidad de Salamanca & Kent State

Home :)



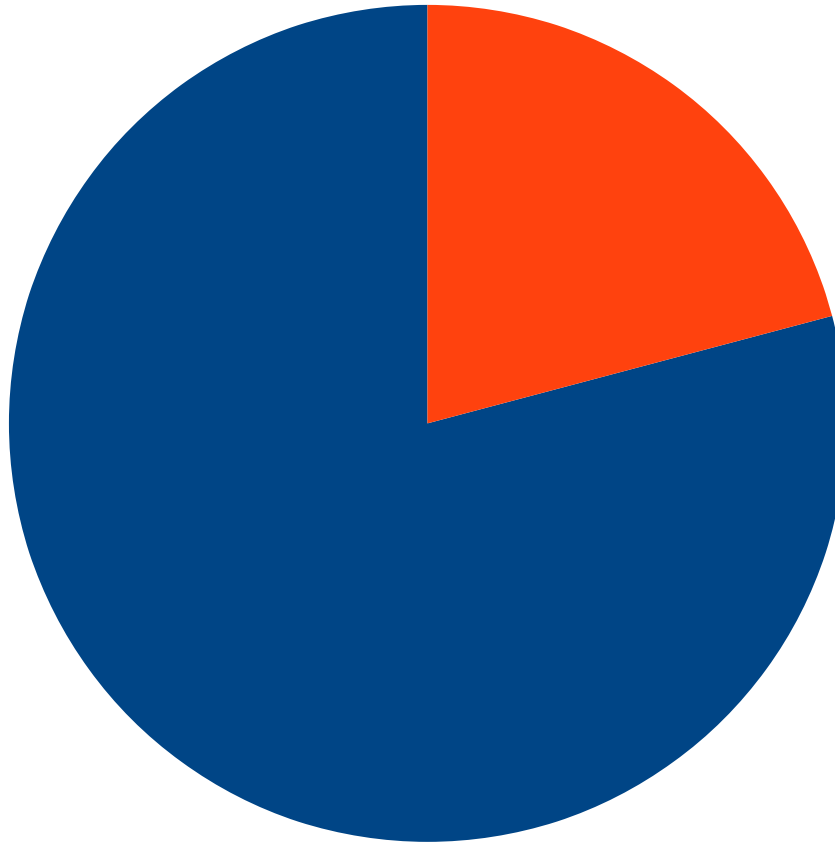
Home – 15 mile/ :)

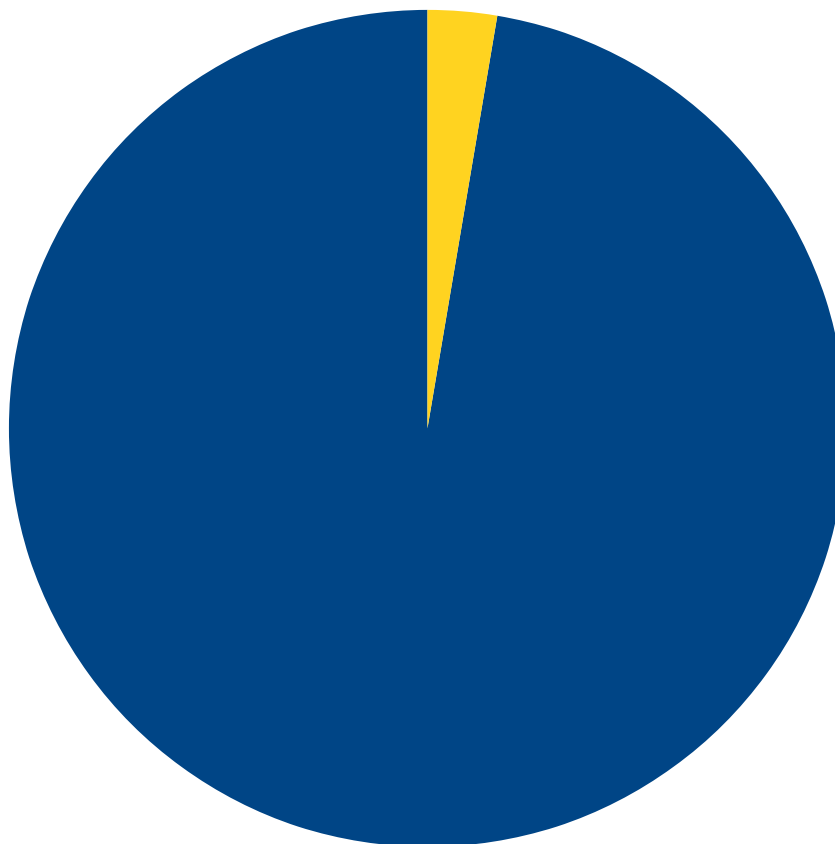


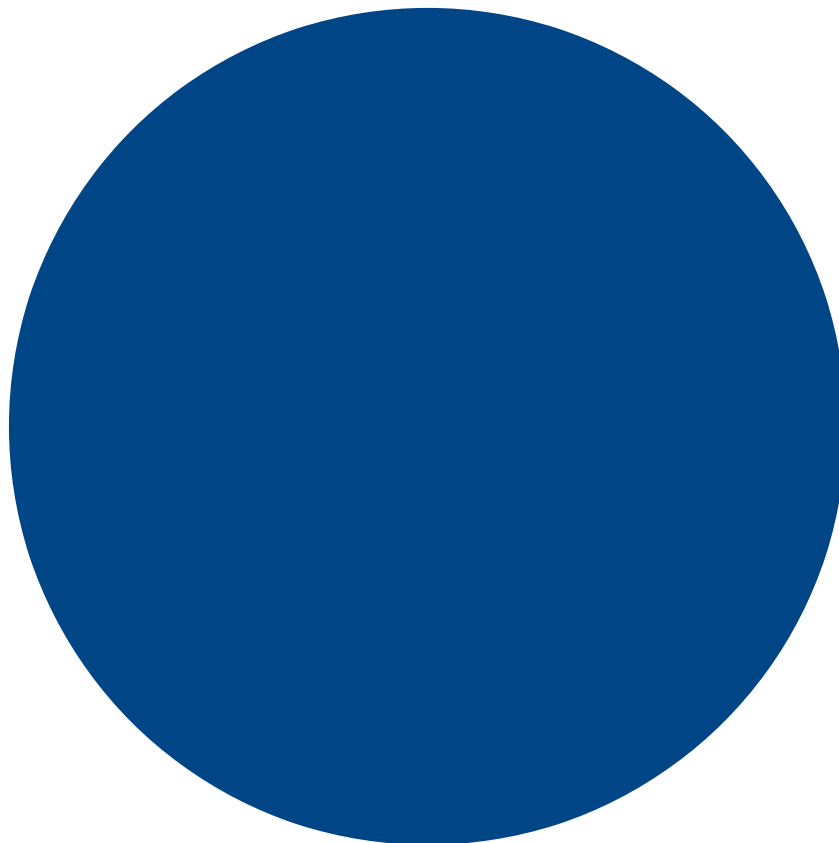
Homeschooling in the USA

- 3% of students in USA were homeschooled as of 2007.
- 1972 SCOTUS ruled in favor of Amish parents to keep children out of public schools.
- States may set requirements for the education of children, but it is up to parents to decide how to meet them.

Why we homeschool







Unschooling

A black and white photograph of a child's footprints in the sand, with the text overlaid.

To trust children we must
first learn to trust
ourselves...and most of us
were taught as children
that we could not be
trusted.

TheUnschoolersEmporium.com

Unschooling

- *"All I am saying ... can be summed up in two words: Trust Children. Nothing could be more simple, or more difficult. Difficult because to trust children we must first learn to trust ourselves, and most of us were taught as children that we could not be trusted."* ~ John Holt
- *"Children are born passionately eager to make as much sense as they can of things around them. If we attempt to control, manipulate, or divert this process...the independent scientist in the child disappears."* ~ John Holt

Legos



Computers in unschooling

- Leapster Explorer's
- Gameboy's
- Tablets
- Smartphones
- Desktop Computers
- Laptops



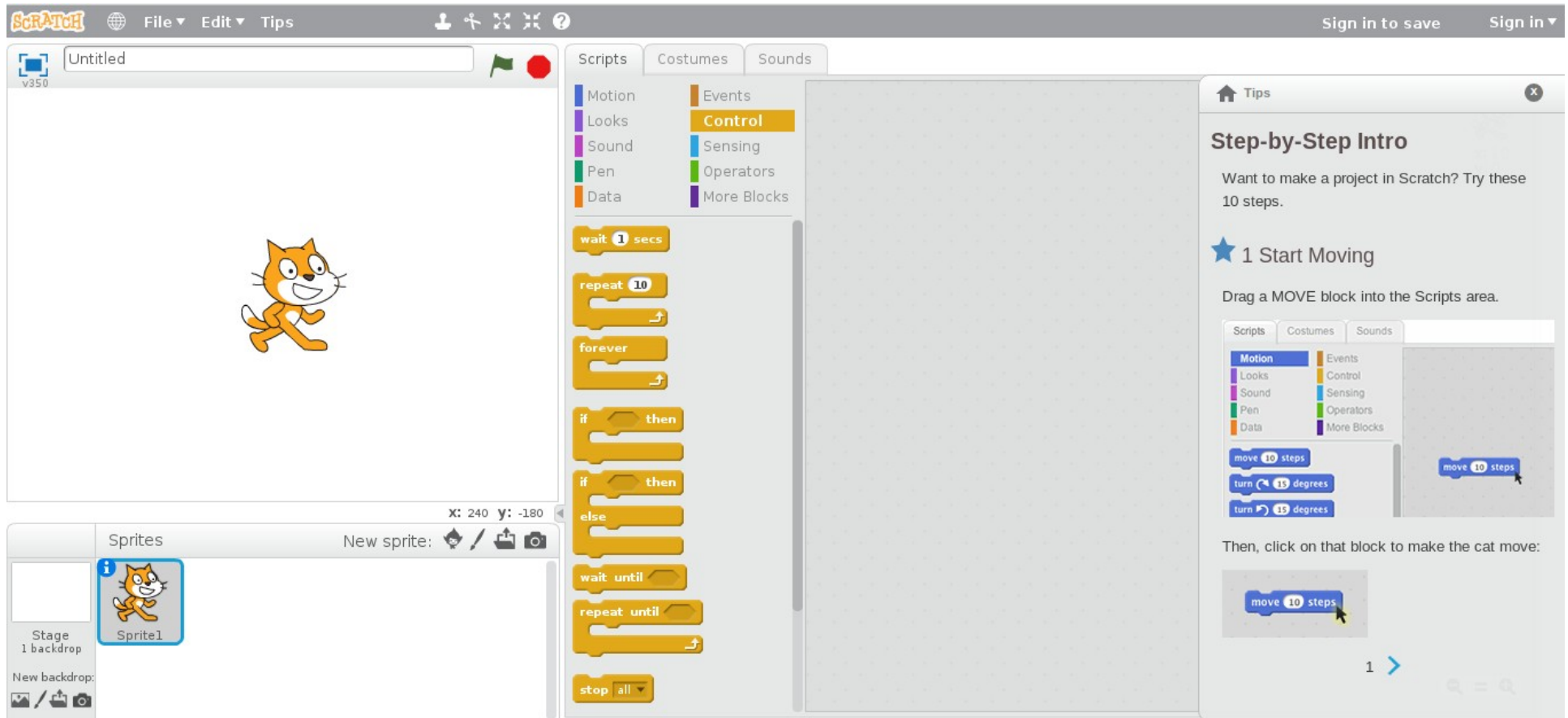
Applications we Use

- Tux Math
 - Tux Typing
 - Math War
 - Gcompris
 - Swords vs Soldiers
 - Candy Crush
- <http://directory.fsf.org/wiki/Category/Education>



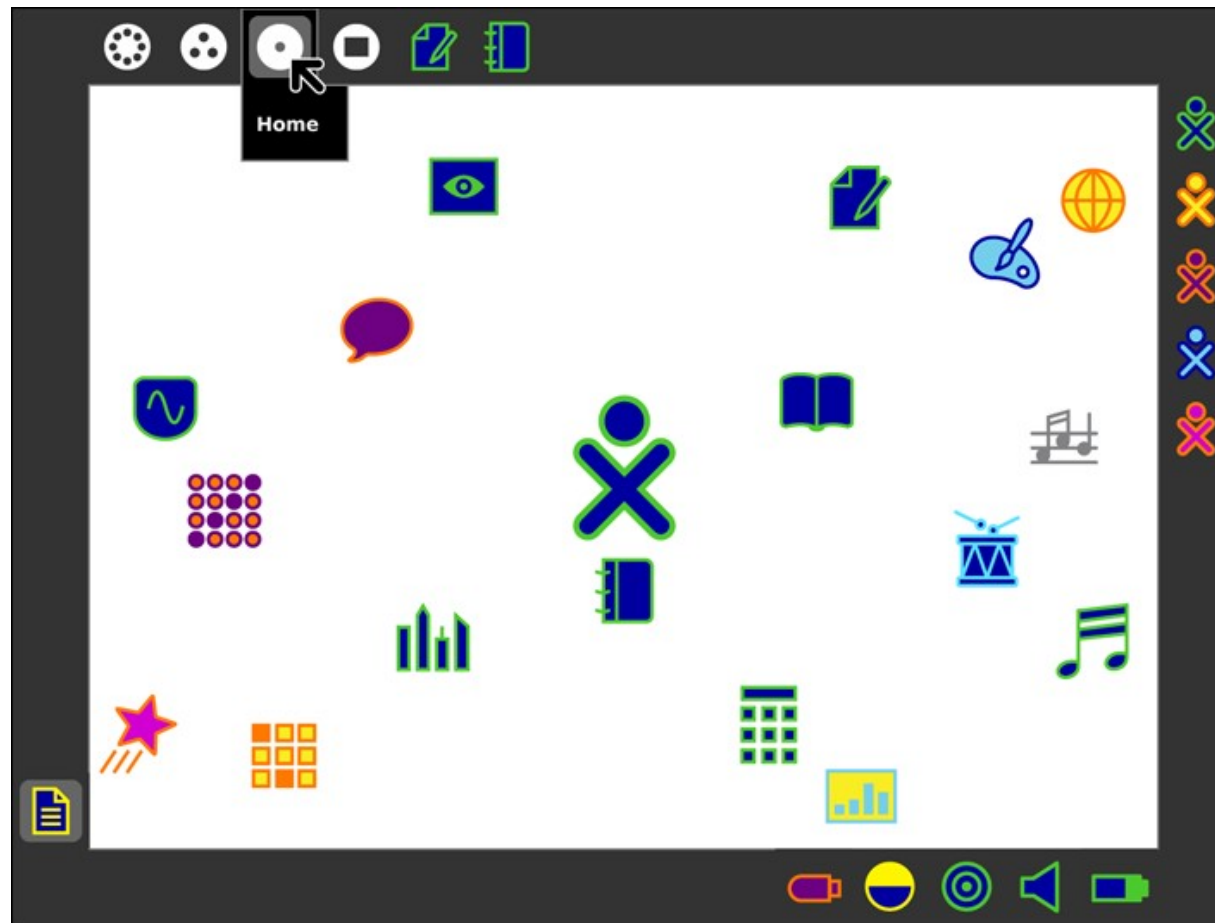
SCRATCH

“Imagine, Program, Share”

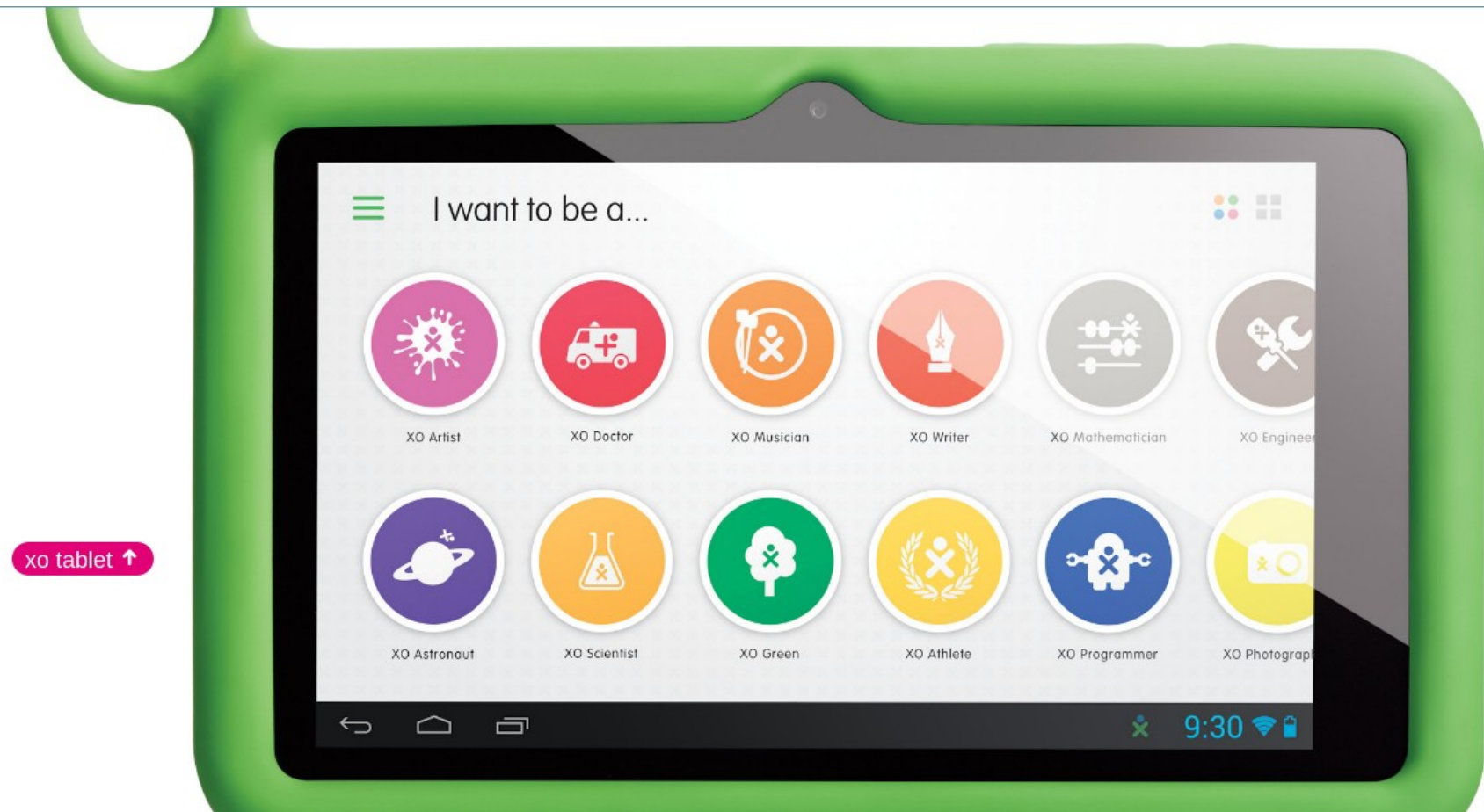


<http://scratch.mit.edu/>

Sugar



XO-Tablet



Sugar & OLPC

- Originally developed for the One Laptop Per Child (OLPC) program, and now available on nearly any computer.
- Nearly 3 million children speaking 25 languages in 40+ countries use Sugar.
- Sugar is available for download as an .iso image to burn to either a CD/DVD or USB stick.



- High-school & secondary school students ages 13-17
- November – January since 2010
- Partners with Free & Open Source Software projects to come up with 'bite-sized tasks' for students to complete.

What we Need

- Outreach Program for Kids (OPK)
- Applications (games) to teach that focus on Freedom



GNU/Linux in Schools Around the World

- Many countries are moving to free software around the world. A few highlights:
- Brazil: 35 million students in 50,000 schools with 500,000+ computers running Free Software.
- Spain: Extremadura moved to a complete open source desktop, installing Debian on 40,000+ desktop PCs.
- Thailand recently ordered 1.2 million Android/Linux tablets for students, with plans to equip 13 million students. (
<http://www.thephuketnews.com/thailand-orders-1-2-million-tablet-computers-for-pupils-40545.php>
)

FOSS School Management

- OpenSIS: a secure, scalable & intuitive Student Information System.
 - Can be used for attendance, contact information, student demographics, grades, scheduling, health records & report cards.
 - Integrates with Moodle, Sugar & WordPress
 - 100% web-based application, written in PHP, using MySQL databases
- Epoptes: computer lab management & monitoring tool
 - Allows screen broadcasting & monitoring, remote command execution, command execution, message sending, etc.
 - Can be installed on Ubuntu, Debian & openSUSE
- Fedena: a student information system built on Ruby on Rails
 - Gives you complete control over your school's databases to organize activities, students, teachers, etc.

More links

- Free & Open Source Software: School Computing:
http://schoolcomputing.wikia.com/wiki/Free_and_Open_Source_Software
- Skolelinux/Debian Edu:
<http://wiki.debian.org/DebianEdu/Welcome>
- Alice:
<http://www.alice.org/index.php>