

26 March 2008

## One Laptop per Child, an education project the \$100 laptop that is changing the world



### Show & Tell, Look, Listen & Learn, Touch & Feel, Give & Take

An afternoon workshop with [OLPC Rochester, NY](#) leading to an evening meeting of the WNY HFES

**Presented by:** Frederick Grose, MPH, CIH and collaborators

**Location:**

RIT Building 70 Room 2400 (B. Thomas Golisano College of Computing and Information Sciences)  
Park in Lot J. See campus map at <http://inside.rit.edu/maps/>

**Abstract**

[One Laptop per Child](#), the [OLPC project](#), is a non-profit association created by faculty members of the [MIT Media Lab](#) in 2005. The association oversees the Children's Machine project and construction and deployment of the XO, the [\\$100 Laptop](#), designed to "revolutionize how we educate the world's children," including those with limited energy and other infrastructure resources. While they emphasize that OLPC is an education project, their strategy is to promote worldwide collaboration on the development of an open-source computing and communication platform. The platform would grow to accelerate learning in whole communities and among all associated with the project. Their ambitious goals and advanced, but low-cost, and energy-efficient hardware and software have captured the imaginations of hundreds of thousands of people. In November 2007 they started mass production of the XO laptop, and the pioneers of the next wave of worldwide computing seem to be in the making!

**Timeline**

**1-5 pm Drop In (at any time - All are welcome), Check Things Out, Get to Know Each Other, Try Things Out**

1:00 doors open: set up XOs & networking; invite others to do likewise, casual introductions.

~1:45 Identify interests or topic groups among attendees, suggest that they gather and self-organize. Possibly:

XO Mesh network  
XO Activities

XO Human Interface Guidelines  
OLPC project areas

XO emulated on VMWare Server 2.0 beta on Windows Vista32  
Sugar on Ubuntu 7.10

~2:30 (or as seems timely) - Break (popcorn popper) Report discoveries, suggestions, raise questions. Address questions, summarize and document on boards, redirect, regroup, or shuffle among topics as desired.

~3:15 (or as seems timely) - Repeat previous step as appropriate.

~4:00 finalize additional demonstrations & topics for 5:00 pm WNY HFES meeting; topic groups summarize items learned, open questions, plans, and report same on wiki and on board in classroom.

4:30 Refreshments (sandwiches for full-day attendees), greet arriving HFES attendees, personal networking.

**5-6:00 pm WNY HFES Meeting time**

5:00 HFES meeting introductions, Facilitator's comments on OLPC project, screen demos, explain theme, begin to answer new questions.

~5:30 Identify any OLPC topic groups present; have attendees get up to mill around and exercise theme actions.

**6-9:50 pm Keith Karn's Usability Testing Class**

6:00 Solicit all to visit the OLPC wiki, contribute ideas to the project via the [OLPC Rochester, NY](#) page, and spread the word about the project to friends and colleagues.

6:05 Keith Karn's class agenda.

**About the Facilitator**

Frederick Grose volunteers for the OLPC project. He served for 27 years at Eastman Kodak Company in Rochester, NY as an industrial hygienist, asbestos hygiene manager, workplace epidemiology associate, health, safety, & chemical information systems architect & programmer, and ergonomics associate. Over his career at Kodak, he was the responsible industrial hygienist for significant tours of duty with Synthetic Chemicals, Roll Coating, & Photochemicals Divisions, and the Chemical Manufacturing, Construction, Maintenance, Facilities, Engineering, and Research & Development Organizations. He helped develop Kodak's asbestos control program, occupational exposure tracking systems, and exposure monitoring and analysis systems for historic and active cohorts of workers exposed to methylene chloride. He developed and delivered health education sessions for thousands of people working with asbestos and other hazardous physical, chemical, biological, or mechanical agents. Frederick is a Certified Industrial Hygienist, a Master of Public Health (University of California, Berkeley), and a Bachelor of Science in chemistry (University of California, Riverside). For most of his final 6 years at Kodak, he worked as an ergonomics associate, helping industrial clients to develop, understand, and implement ergonomic solutions that improve jobs and workplaces.

For HFES Meeting (5-6 pm) Only:

**COST:** Members & Students – no cost; Non-members - \$ 5 payable at the door

**RSVP:** Contact Jennifer Dvck by 19 March. 716-673-3828. Jennifer.Dvck at fredonia.edu