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Questions about the Program?

neccprogram@iste.org



Program Search Details

Key:

Additional Fee Required



Leadership Strand



Virtual Schooling Strand



Global Collaboration



Video-on-Demand

Linux and Open Source Software in K–12 Schools

[Session : Hands-on Open Source Lab]

Steve Hargadon, Technology Rescue

Monday, 6/25/2007, 12:30pm–1:30pm; GWCC B308

An overview of Linux and open source software, with specific examples of programs that can be easily implemented to save money and increase computing stability.

Blog Tag(s): necc, n07s587
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Theme/Strand: Technology Infrastructure—Open Source
Keywords: software, linux, moodle

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- See [Program](#) for preselected searches by category.
- See [Registration](#) for a listing of events included in your conference fee. **Note:** workshops and some selected events require an additional fee.
- See [Conference Planner](#) for preselected searches by time; the planner is a great

Video-On-Demand



Podcast



ISTE 100

Best of NECC
WorkshopsHosted by ISTE's
Learning & Leading
with Technology
magazineWorkshop
Format

Hands-On

Seminar/
DemoWorkshop Lab
Environment

Full Lab



Partner Lab



Own Laptop



No Lab

Workshop Lab
Platform

Windows



Macintosh



None

Special Focus: Program content involves the use of commonly available technology and not necessarily a 1-to-1 ratio of technology to student.

Audience: Technology Integration Specialists, Technology Facilitators, Technology Coordinators, Teachers, School Board Members, Superintendents, Principals, Chief Technology Officers

Level: All

NETS•S: 1- 4, 6

NETS•T: II, III, V, VI

NETS•A: I, III, IV, VI

NETS Summary: Free and Open Source Software provides an incredible variety of tools for use in schools that 1) might otherwise be more costly to implement, 2) are conducive to collaboration, and 3) provide the framework for discussions of models (both pragmatic and ethical) relating to the the building and use of software.

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Purpose & Objectives

Free and Open Source Software (FOSS) has helped to create, and is a significant part of, the larger societal changes toward ubiquitous and collaborative computing. The rise of both the Internet--and now Web 2.0--have been significantly based on and determined by FOSS programs, even though most people have been largely unaware of what they are.

The purpose of this session will be to introduce participants to Linux and to the Free and Open Source Software movements, and to give them a good overview of the wide range of FOSS programs that are available and the very practical ways in which these programs can provide both immediate and long-term benefits to schools. The session will start with a history of the Free and Open Source Software movements, and how their roots in academia have shaped their goals and accomplishments. I'll discuss the practical and ethical value of using programs licensed this way, and provide participants with specific

tool for helping you sort through all the options!

- See the [Schedule of Events](#) to view how everything fits together.
- See [Themes & Strands](#) to better understand your search results.



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We invite everyone to blog the sessions they attend.

On the [Program Search Results and Details](#) pages, we'll list the tag specific to each session.

On the [Details page](#), we'll list the tags again, AND include a **session-specific Technorati link** so you can read all the entries on that specific session.

Bring your laptop and give it a try!

**Workshop
Skill Level****BEG** Beginner**INT** Intermediate**ADV** Advanced**ALL** All

programs that they can start using right away, no matter what their current computing platform is, to provide both administrative and academic resources. I'll answer the most common questions relating to FOSS, including how to get support and help. And I'll discuss why it is so important for technical computing programs to include FOSS instruction to students right now (the FOSS program Apache runs 70% of the world's websites, and Linux powers the servers that run Google's search programs, but both Apache and Linux are relatively untaught in school computing programs).

When the session is done, the participants should feel more comfortable exploring the FOSS programs that are available, knowing how to obtain and install them, and where to go to get more information or help.

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Gateway.

Outline (for Open Source Lab)

For this talk there will not be any specific instruction given that will require following along on the computers; however, as a variety of Free and Open Source programs are mentioned, they will be available to test and experiment with during the session. Most importantly, participants will be seated in front of computers running Linux and FOSS programs, allowing them to comfortably explore this environment during the session and to discover how significantly usable these programs are.

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InFocus
The Big Picture



ISTE's flagship publication...

Presenter Background

Steve oversees the Open Source lab and speaker series for the National Educational Computing Conference (NECC) and CUE.org, speaks at conference on Linux and Open Source Software solutions in education, and is currently working on a book on Open Source Software for K-12 schools for ISTE. He runs the SupportBlogging.com and K12OpenSource.com wiki sites, blogs on educational technology, and holds a weekly audio interview webcast as part of EdTechLive.com. His company installs Linux solutions for schools, and developed the no-maintenance LiveKiosk "WebStation" for educational and commercial use.

Prerequisites

None



program search

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National Educational Computing Conference
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