

Open Source Software for Education

Open Access Week
College of DuPage Library
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Goals



1. What is open source software?
 - Advantages / Disadvantages

2. Useful OS software for education

Definition

- Software which is not “owned” or copyrighted
- Anyone can view, edit, modify, improve, share the code
- Code is largely developed by unpaid volunteers



Definition

- Free software is not always open source software
 - “FOSS”
- Licenses
 - [Common licenses](#)
 - [Comparison chart](#)



Advantages

- Cost
- Faster, high-volume adoption
- Agile development
 - Fast response to user needs
 - Doesn't need to respond to "commercial" needs
- Specialized "forks"



Advantages

- Better privacy (no corporate tracking)
- Sometimes faster response to malware



Disadvantages

- Can require additional technical skill
- Support
 - Technical
 - Infrastructure
- Security
 - May not be any different than commercial software



Examples

- Productivity
- Lecture capture
- Multimedia production
- Collaboration
- Content management
- LMS
- Web conferencing
- Operating systems
- Publishing



Productivity / Publishing

Instead of: Microsoft Office



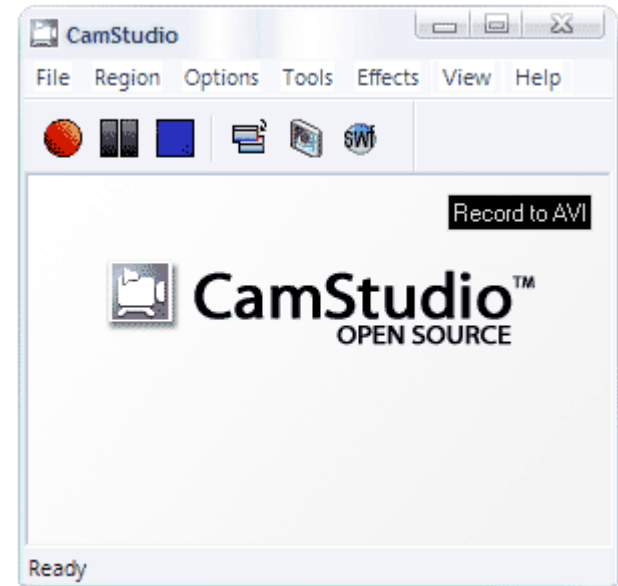
Apache
OpenOffice[™]

- [Apache OpenOffice](#)
- [LibreOffice](#)
- [NeoOffice](#) (Mac OS X)
- Google Drive/Docs (Free *not* OSS)

Lecture Capture

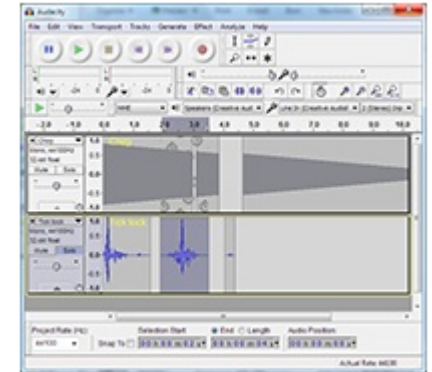
Instead of: Camtasia

- [CamStudio](#)
- [Kazam](#)
- [OpenCast Matterhorn](#)



Multimedia Production

Instead of: Photoshop, Adobe Premiere, iMovie, ProTools, Maya, etc.



- [Gimp](#) (Image editor)
- [Kino](#) (NLE)
- [Kdenlive](#) (NLE)
- [Blender](#) (3D production)
- [Audacity](#) (audio)
- [HandBrake](#) (ripping/conversion)

Collaborative Authoring

Replaces: Google Drive?



- [Etherpad](#)
- [Gobby](#)
- [Owncloud Document](#)
- Google Docs (again, free but not OSS)

Content Management



- [WordPress](#)
 - [WordPress.com](#)

- [Drupal](#)
 - [Pantheon](#)

- [MediaWiki](#)

- Generally bundled with commercial hosting plans

Learning Management Systems

Replaces: Blackboard



- [Moodle](#)
 - [Moodle hosting](#)
 - [MoodleRooms](#) bought by Blackboard
- [Sakai](#)
 - [Sakai hosting](#)
- Moodle available with many commercial hosting plans

Web Conferencing

Replaces: Adobe Connect,
Elluminate

- [BigBlueButton](#)



Operating Systems / Hosting Environment

Replaces: Windows, OSX

- Linux
 - [Ubuntu](#)
 - [Debian](#)
 - [Mint](#)
 - [edX](#)
- LAMP
 - Linux
 - Apache
 - MySQL
 - PHP



Publishing

- [Public Knowledge Project](#)
 - Journal publishing
 - Book publishing
 - Conference Management



More/Subject Specific Resources

<http://freeopensourcesoftware.org/index.php?title=Applications>

<http://oss-watch.ac.uk/resources/ossoptionseducation>



Questions?

Contact me:

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