

# How to Utilize Free and Open Source Resources in the Classroom

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Building Bridges  
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<http://faculty.ucmo.edu/jurkowski/bb2009open.odp>

<http://faculty.ucmo.edu/jurkowski/bb2009open.pdf>

# *Why Free / Open Source Software (FOSS)?*

- Cost savings
- Focus on integrating technology rather than worrying about finding funds
- Student access to same tools at home
- Focus on concepts vs. proprietary tools
- Social justice / collaboration; Shared knowledge and parallels with science; Students used to open resources

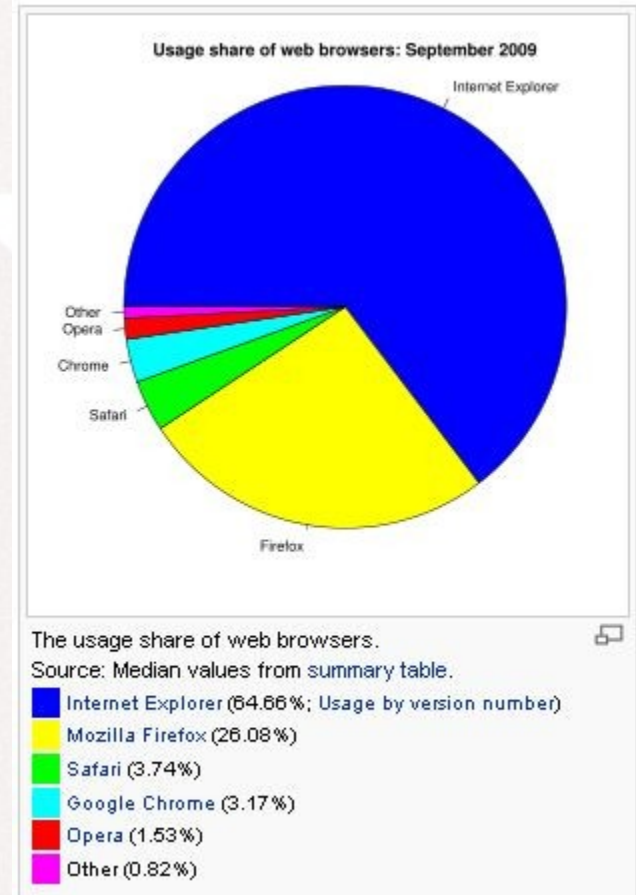
# ***Free vs Open Source***

- Shareware/freeware early beginnings
- Free is not always open
- Free may mean web based or downloadable

# Web Browsers

- **Firefox**  
<http://www.mozilla.com/en-US/firefox/>
- **Google Chrome**  
<http://www.google.com/chrome>
- Opera <http://www.opera.com/>
- Camino <http://caminobrowser.org/>  
Mozilla for mac
- Safari  
<http://www.apple.com/safari/>

[http://en.wikipedia.org/wiki/Usage\\_share\\_of\\_web\\_browsers](http://en.wikipedia.org/wiki/Usage_share_of_web_browsers)



# Office Productivity

- **OpenOffice**

<http://www.openoffice.org/>



- NeoOffice <http://www.neooffice.org/neojava/en/index.php> (Mac)

- AbiWord <http://www.abisource.com/>

- **Google Docs** <http://docs.google.com> for working online

## Google Apps

<http://www.google.com/a/help/intl/en/edu/included.html>

- **Scribus** <http://www.scribus.net/> Desktop publishing

# ***Wikis & Blogs & Social***

- **Wikispaces** <http://www.wikispaces.com/>
- **PBworks** <http://pbworks.com>
- **Blogger** <http://www.blogger.com>
- **ePALS** <http://www.epals.com/>
- **WordPress** <http://wordpress.org/> create your own blogs
- **Ning** <http://www.ning.com> free hosted social network
- **Elgg** <http://elgg.org/> create your own social network

# *Communication*

- **Skype** <http://www.skype.com/>
- **Meebo** <http://www.meebo.com>
- **Google Talk** <http://www.google.com/talk/>
- **AIM** <http://dashboard.aim.com/aim>
- Pidgin <http://pidgin.im/> multi-protocol instant messaging
- Jabber <http://www.jabber.org/>

# *Images*

- **Gimp** <http://www.gimp.org/> (similar to Photoshop)
- **Inkscape** <http://www.inkscape.org/> Vector graphics (similar to Adobe Illustrator)
- **Blender** <http://www.blender.org/> 3D modeling
- **Google Sketchup** <http://sketchup.google.com/>

# *Screen Capture*

- Zscreen <http://www.brandonz.net/projects/zscreen/>
- **Greenshot** <http://greenshot.sourceforge.net/>

# *Screen Casting*

- **CamStudio** <http://camstudio.org/>
- **Wink** <http://www.debugmode.com/wink/>
- **Jing** <http://www.jingproject.com/>

# ***Audio***

- **Audacity** <http://audacity.sourceforge.net/>

# ***Video***

- Windows Movie Maker
- Jashaka <http://jahshaka.org/>
- JayCut <http://jaycut.com/> online video editing

# ***Web Editing***

- **Nvu** <http://net2.com/nvu/>
- KompoZer <http://www.kompozer.net/>
- **Amaya** <http://www.w3.org/Amaya/>
- Bluefish <http://bluefish.openoffice.nl/>
- SeaMonkey <http://www.seamonkey-project.org/>

# ***AntiVirus***

- Avast <http://www.avast.com/>
- ClamWin <http://www.clamwin.com/>
- Avira <http://www.free-av.com/en/products/index.html>
- Microsoft [http://www.microsoft.com/Security\\_Essentials/](http://www.microsoft.com/Security_Essentials/)

# *Utilities*

- **Filezilla** <http://filezilla-project.org/> FTP
- **CoffeeCup** <http://www.coffeecup.com/free-ftp/> FTP
- **7-Zip** <http://www.7-zip.org/> Zip
- **Wuala** <http://wua.la/> Social Online Storage
- **FOG** <http://www.fogproject.org/> Ghost
- **OpenVPN** <http://www.openvpn.net/> VPN

# ***Course Management Systems***

- Moodle <http://moodle.org/>
- Sakai <http://sakaiproject.org/>
- Claroline <http://www.claroline.net/>
- NineHub <http://ninehub.com/> Free Moodle Hosting

# ***Library Automation***

- koha <http://www.koha.org/>
- emilda <http://www.emilda.org/>

# ***Educational***

- Celestia <http://www.shatters.net/celestia/> Space
- Stellarium <http://www.stellarium.org/> Planetarium
- **Tux Typing** <http://tuxtype.sourceforge.net/> Typing
- Typing Web <http://www.typingweb.com/> Free online typing
- **Tux Paint** <http://www.tuxpaint.org/> Drawing
- **Scratch** <http://scratch.mit.edu/>

# *Other*

- **Cmap** <http://cmap.ihmc.us/> Mind mapping
- FreeMind  
[http://freemind.sourceforge.net/wiki/index.php/Main\\_Page](http://freemind.sourceforge.net/wiki/index.php/Main_Page)  
Mind mapping
- gliffy <http://www.gliffy.com/> Flow chart
- Zamzar <http://zamzar.com/> File conversion
- GanttProject <http://ganttproject.biz/>
- GnuCash <http://www.gnucash.org/> Account software

# *Continued...*

- FET <http://www.lalescu.ro/liviu/fet/> Scheduling software
- Adeona <http://adeona.cs.washington.edu/index.html>  
Laptop tracking

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