

10 year anniversary



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A guide to free and open source education

09 Apr 2013 | [Carolyn Fox \(/users/wivenhoe\)](#) | 554 | [3 comments](#)

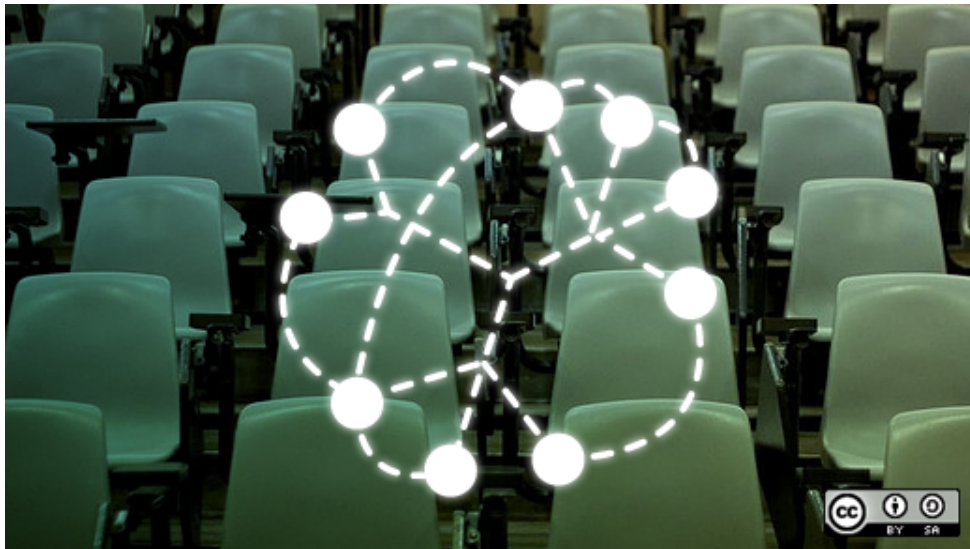


Image by : Opensource.com

Nearly every week, if not every day, there are more and more open source and open educational resources available and accessible to us. It's impossible to ignore. It also seems impossible to keep pace with the sheer volume.

Despite this, I will attempt here to give a comprehensive listing of many helpful, accessible, amazing open education resources. (There will inevitably be some left out, but here goes!)

To begin, it's good to understand that there are open resources for almost every age, grade, and subject:

- elementary, middle, and high school students
- higher, tertiary, and vocational education
- special needs and gifted students
- public or private school students
- homeschoolers or unschoolers
- parents, teachers, and administrators

Where open education is being used

Prime Minister David Cameron announced in February 2013 that more UK universities are joining [Futurelearn](http://futurelearn.com/) (<http://futurelearn.com/>), the UK's first provider of free, open online courses (with the British Library). In both the UK and US, there are hundreds or thousands of free, open online courses being used; increasingly we are seeing other countries, like [Brazil and India](http://opensource.org/node/528) (<http://opensource.org/node/528>), start to become heavy users and hotbeds for open source and open educational resources too.

[Unesco](http://www.unesco.org/iiep/virtualuniversity/forumsfiche.php?queryforumspages_id=9) (http://www.unesco.org/iiep/virtualuniversity/forumsfiche.php?queryforumspages_id=9) has advocated for the use of open source and open educational resources worldwide. And, in December 2012 a UN trade group said that governments [should seize open source opportunities](http://joinup.ec.europa.eu/news/un-trade-body-says-governments-should-seize-open-source-opportunities) (<http://joinup.ec.europa.eu/news/un-trade-body-says-governments-should-seize-open-source-opportunities>) and become less reliant on large-scale software manufacturers.

Why open source?

All educators and administrators, and hey, students too, should read and pass along this short note on [Why should open source software be used in schools?](http://edge-op.org/grouch/schools.html) (<http://edge-op.org/grouch/schools.html>). Information like this helps begin the process of understanding, gets people on board, and can make the difference between action and talking.

Open education resources

[OSS Watch](http://www.oss-watch.ac.uk/resources/tips) (<http://www.oss-watch.ac.uk/resources/tips>) provides tips for selecting open source, or for procuring free or open software.

[SchoolForge \(https://schoolforge.net/\)](https://schoolforge.net/) and [SourceForge \(http://sourceforge.net\)](http://sourceforge.net) are good places to find, create, and publish open software. SourceForge, for one, has millions of downloads each day.

[Open Source Education Foundation \(http://www.osef.org/\)](http://www.osef.org/) and [Open Source Initiative \(http://opensource.org/osi-open-source-education\)](http://opensource.org/osi-open-source-education), and other organization like these, help disseminate knowledge.

[Creative Commons \(http://creativecommons.org/\)](http://creativecommons.org/) has a number of open projects from [Khan Academy \(http://www.khanacademy.org/\)](http://www.khanacademy.org/) to [Curriki \(http://www.curriki.org/\)](http://www.curriki.org/) where teachers and parents can find educational materials for children or learn about Creative Commons licenses. Also, they recently launched the [School of Open \(http://creativecommons.org/weblog/entry/37179\)](http://creativecommons.org/weblog/entry/37179) that offers courses on the meaning, application, and impact of "openness."

Numerous open or open educational resource databases and search engines exist. Some examples include:

- [OEDb \(http://oedb.org/\)](http://oedb.org/): over 10,000 free courses from universities as well as reviews of colleges and rankings of college degree programs
- [Open Tapestry \(http://www.opentapestry.com/ocwfinder\)](http://www.opentapestry.com/ocwfinder): over 100,000 open licensed online learning resources for an academic and general audience
- [OER Commons \(http://www.oercommons.org/\)](http://www.oercommons.org/): over 40,000 open educational resources from elementary school through to higher education; many of the elementary, middle, and high school resources are aligned to the Common Core State Standards
- [Open Content \(http://www.opencontent.org\)](http://www.opencontent.org): a blog, definition, and game of open source as well as a friendly search engine for open educational resources from MIT, Stanford, and other universities with subject and description listings
- [Academic Earth \(http://www.academicearth.org/\)](http://www.academicearth.org/): over 1,500 video lectures from MIT, Stanford, Berkeley, Harvard, Princeton, and Yale
- [JISC \(https://openeducationalresources.pbworks.com/w/page/27045418/Finding%20OERs\)](https://openeducationalresources.pbworks.com/w/page/27045418/Finding%20OERs): JISC Information Systems Committee works on behalf of UK higher education and is involved in many open resources and open projects including digitizing British newspapers from 1620-1900!

Other sources for open education resources

Universities

- [The University of Cambridge \(http://orbit.educ.cam.ac.uk/wiki/Home\)](http://orbit.educ.cam.ac.uk/wiki/Home)'s guide on Open Educational Resources for Teacher Education (ORBIT)
- [OpenLearn \(http://www.open.edu/openlearn/\)](http://www.open.edu/openlearn/) from Open University in the UK

Global

- Unesco's [searchable open database \(https://oerknowledgecloud.org/\)](https://oerknowledgecloud.org/) is a portal to worldwide courses and research initiatives
- African Virtual University (<http://oer.avu.org/> (<http://oer.avu.org/>)) has numerous modules on subjects in English, French, and Portuguese
- <https://code.google.com/p/course-builder/> (<https://code.google.com/p/course-builder/>) is Google's open source software that is designed to let anyone create online education courses
- Global Voices (<http://globalvoicesonline.org/> (<http://globalvoicesonline.org/>)) is an international community of bloggers who report on blogs and citizen media from around the world, including on open source and open educational resources

Individuals (which include OERs)

- [Librarian Chick \(http://librarianchick.com/mediawiki/index.php?title=Main_Page\)](http://librarianchick.com/mediawiki/index.php?title=Main_Page): everything from books to quizzes and videos here, includes directories on open source and open educational resources
- [K-12 Tech Tools \(http://edutechdatabase.wikispaces.com/\)](http://edutechdatabase.wikispaces.com/): OERs, from art to special education
- [Web 2.0: Cool Tools for Schools \(http://cooltoolsforschools.wikispaces.com/\)](http://cooltoolsforschools.wikispaces.com/): audio and video tools
- [Web 2.0 Guru \(http://web20guru.wikispaces.com/Web+2.0+Resources\)](http://web20guru.wikispaces.com/Web+2.0+Resources): animation and various collections of free open source software
- [Livebinders \(http://www.livebinders.com\)](http://www.livebinders.com): search, create, or organize digital information binders by age, grade, or subject (why re-invent the wheel?)

Legal help

- [New Media Rights \(http://www.newmediarights.org/\)](http://www.newmediarights.org/) is trying to help digital creators use public domain or open materials legally. They have guides on how to use free and open software materials in various fields.

Free, non-profit resources

[WatchKnowLearn](http://www.watchknowlearn.org/default.aspx) (<http://www.watchknowlearn.org/default.aspx>) and [Good Sites for Kids](http://www.goodsitesforkids.org/) (<http://www.goodsitesforkids.org/>) are examples of non-profit organizations that operate in an open way, but are technically not open source. Keep an eye out for them as well to help you along the open education way.

Topics :

[Education \(/tags/education\)](/tags/education) [Licensing \(/tags/licensing\)](/tags/licensing)

[Open educational resources \(/tags/open-educational-resources\)](/tags/open-educational-resources)



About the author

Carolyn Fox - Carolyn Fox is an educator, librarian, historian, and an un/homeschooling mother. She lives in Massachusetts with her UK husband and son.

• [More about me \(/users/wivenhoe\)](/users/wivenhoe)

[\(/users/wivenhoe\)](/users/wivenhoe)

Recommended reading



[How I use Hugo for my classroom's open source CMS](/article/20/4/hugo-classroom?utm_campaign=intrel)

[\(/article/20/4/hugo-classroom?utm_campaign=intrel\)](/article/20/4/hugo-classroom?utm_campaign=intrel)

[utm_campaign=intrel\)](/article/20/4/hugo-classroom?utm_campaign=intrel)



[How to set up a remote school environment for](#)



[How to set up and run WordPress for your classroom](/article/20/4/wordpress-virtual-machine?utm_campaign=intrel)

[\(/article/20/4/wordpress-virtual-machine?utm_campaign=intrel\)](/article/20/4/wordpress-virtual-machine?utm_campaign=intrel)

[utm_campaign=intrel\)](/article/20/4/wordpress-virtual-machine?utm_campaign=intrel)



[Create web tutorials with Reveal.js and Git](#)



[6 open source teaching tools for virtual classrooms](/article/20/4/open-source-remote-teaching-tools?utm_campaign=intrel)

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[Why I use WordPress for education](#)

[kids with Linux](#)
([/article/20/4/school-home-lin](#)
[ux?](#)

([/article/20/4/create-web-tutorial-git?](#)
[utm_campaign=intrel\)](#)

([/article/20/3/wordpress-education?](#)
[utm_campaign=intrel\)](#)

3 Comments



Vincent Williams on 10 Apr 2013

0

It is interesting that i did not see Coursera on this list. What are they considered to be.



[Carolyn Fox](#) ([/users/wivenhoe](#)) on 12 Apr 2013

1

Thanks. I'm sorry I didn't include Coursera. It's not an exhaustive list and I was bound to leave some open source resources out. Apologies to all. There's sooo many open source resources today. I keep finding more and more each day!



Hannah on 17 Apr 2013

0

Interesting piece focusing much more on what open source actually means.

There's also a wealth of open source etextbooks now available. And they keep growing by the day. I'm using a few to teach myself physics and I have to say I'm impressed by the quality. I am interested to see what follows.



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