

Open Education

Finding, Using, and Licensing Open Teaching and Learning Materials

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By the end of this workshop, you will be able to

- Identify the characteristics of Open Education, and
 - Summarize Open Education's position within the Open Movement (Open Access, Open Science, Open Source, Open Data, etc.)
- Assess copyright and open licenses to determine proper use of teaching and learning materials
- Determine strategies for finding relevant Open Educational Resources

Discussion

- How do you currently find and use others' learning materials (video, lectures, images, podcast, etc.)?
- How do you assess whether or not you're allowed to use the content in the course?
- Do you have any challenges finding and accessing learning materials?

Open Education

Situating Open Education
within the Open Movement

- Identify the characteristics of Open Education and the thread that ties “open” together

Open Movements: Open Access

- Research that is digital, free to access, free of most copyright and licensing restrictions
- Green, Gold, Hybrid Publishing
- See [Johns Hopkins Open Access Policy](#)

The JHU Open Access Policy

The Basics

Who: Full-time faculty at JHU who are the sole or corresponding authors

What: Peer-reviewed journal articles.

When: Follow the deadlines associated with grants and journal embargoes. Hopkins has no deadline.

Why: Open Access can remove barriers and facilitate interaction and discovery across disciplines and borders and ensure that our scholarship remains accessible, inclusive, available, and durable.


Making your article open

Is the published article openly available? If yes, then you're done.


Is the article in a subscription journal? If yes, then submit the author's final version to PASS (Public Access Submission System).

Get Organized!


Pull this material together before submitting.




Files for author's final version



DOI or article and journal titles; authors



Grant numbers if applicable





Embargo end date if applicable

Where do I submit?

Now that you're ready, go to the link below to get started.

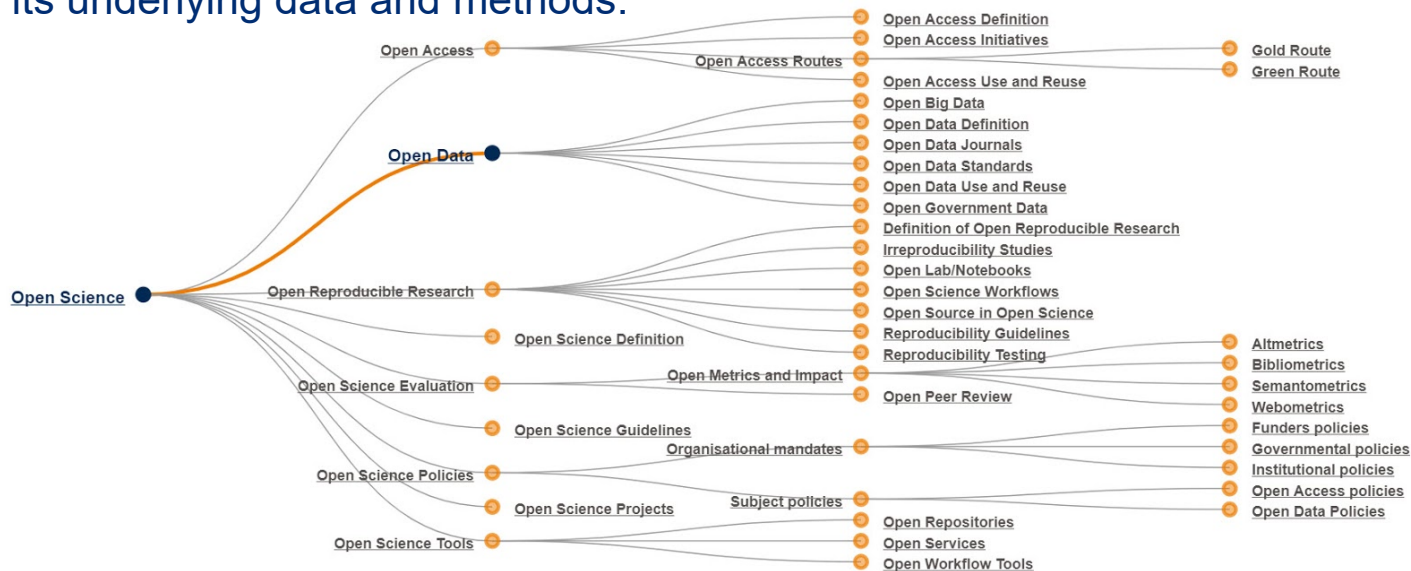
<http://pass.jhu.edu>

Source : <https://en.wikipedia.org/wiki/Infographic>



Open Movements: Open Science

Open Science is the practice of science in such a way that others can collaborate and contribute, where research data, lab notes and other research processes are freely available, under terms that enable reuse, redistribution and reproduction of the research and its underlying data and methods.



Open Education

Open education encompasses resources, tools and practices that employ a framework of open sharing to improve educational access and effectiveness worldwide.

Open Educational Resources (OER)



What is OER? Video: CC BY 4.0
Music: The Zeppelin by Blue Dot
Sessions: CC BY NC 4.0

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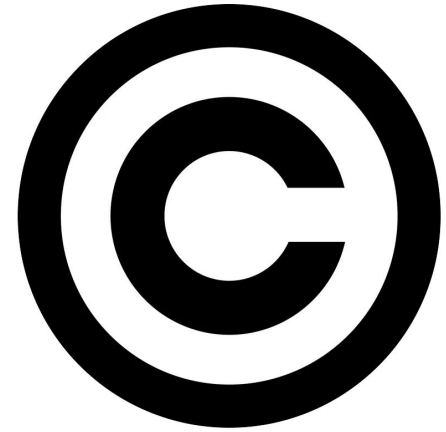
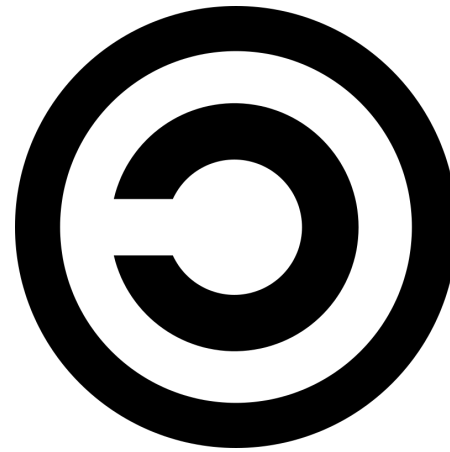
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Open Licensing and OER

- Creative Commons and other Open Licenses
- Open Pedagogy



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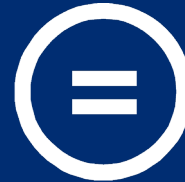
Nonprofit organization
Open copyright licenses
Founded in 2001
Operates worldwide
41 Country Chapters

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Public
Domain



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Step 1: Choose Conditions



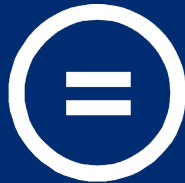
Attribution



ShareAlike



NonCommercial

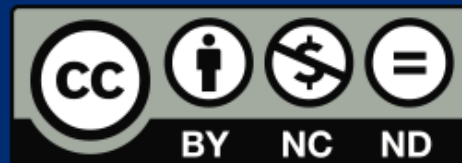
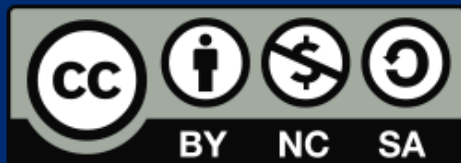


NoDerivatives

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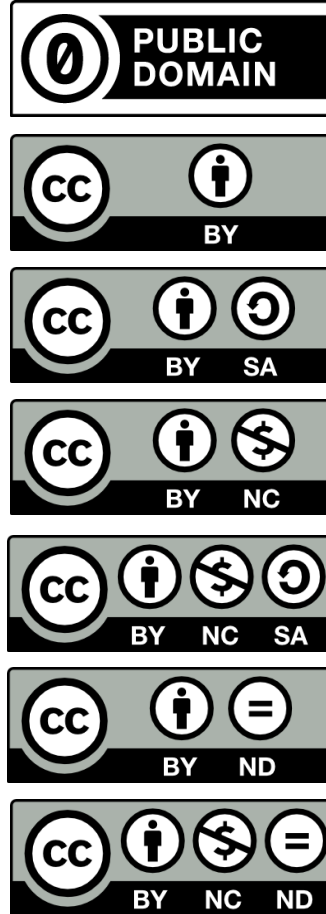
Step 2: Get a License



most freedom



least freedom



OER

Not OER

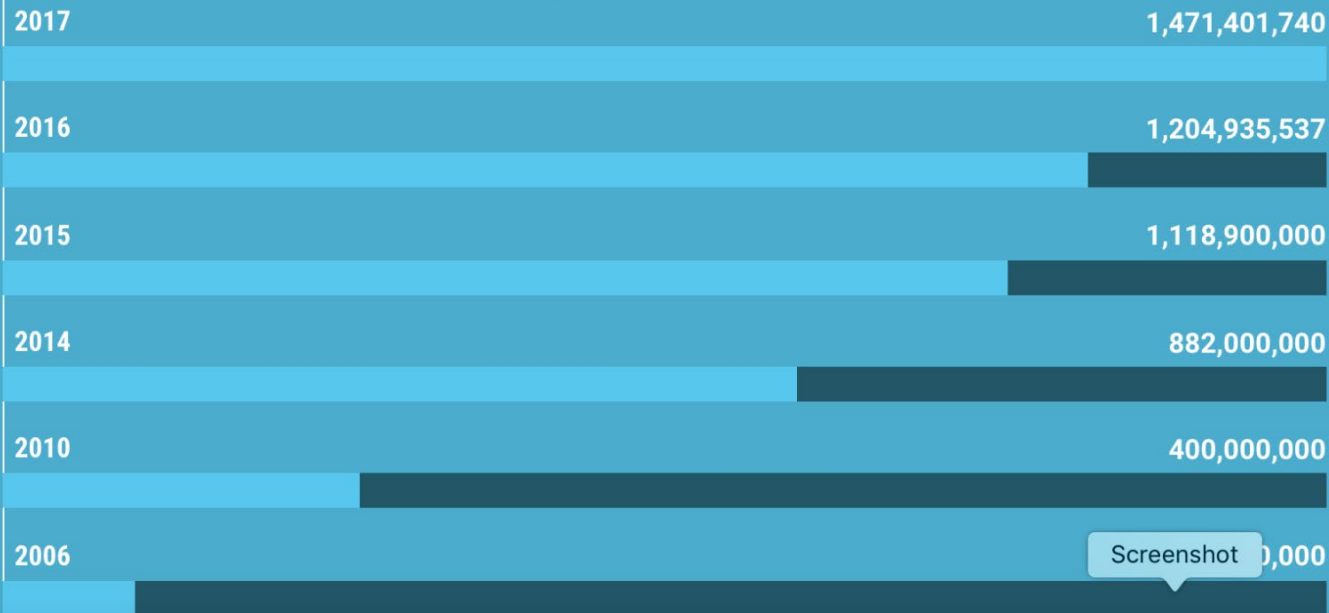
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1.4 BILLION

CREATIVE COMMONS LICENSED WORKS



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Why OER?

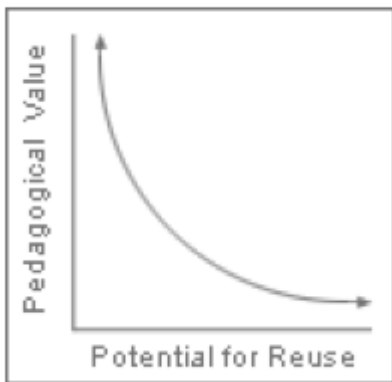
Cost of education and materials

- Increasing an avg. **6%** per year
- Textbook prices nearly ***tripled*** (1986 – 2004)
- [NBC News](#) notes a **1041% increase** in the cost of college textbooks, citing Bureau of Labor Statistics Data

Pedagogy

- Content is flexible, adaptable, and customizable
- OER is learner-centered (Open Pedagogy)
- Students as collaborators in the production of knowledge

The Reusability Paradox



1. The more context a learning object has, the more (and the more easily) a learner can learn from it.
2. To make learning objects maximally reusable, learning objects should contain as little context as possible.

Therefore:

Pedagogical effectiveness and potential for reuse are completely at odds with one another

Content adapted from
"Increasing Student Engagement
OER - CTLT Institute May 2015"
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From David Wiley, The Reusability Paradox. OpenStax CNX. May 24, 2013
<http://cnx.org/contents/dad41956-c2b2-4e01-94b4-4a871783b021@19>. CC-BY-3.0

David Wiley:

“The way to escape from the Reusability Paradox is **simply by using an open license**. If I publish my educational materials using an open license, I can produce something deeply contextualized and highly effective for my local context AND give you permission to revise and remix it until it is equally effective to reuse in your own local context. Poof! The paradox disappears. I’ve produced something with a strong internal context which *you have permission to make fit* into other external contexts.”

-<http://opencontent.org/blog/archives/3854>

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The **Remix Hypothesis** states that changes in student outcomes that occur in conjunction with OER adoption will correlate positively with faculty revising and remixing activities.

-<http://opencontent.org/blog/archives/3813>

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The 5R Activities

Retain

- Make and own a copy

Reuse

- Use in a wide range of ways

Revise

- Adapt, modify, and improve

Remix

- Combine two or more

Redistribute

- Share with others

Attribution

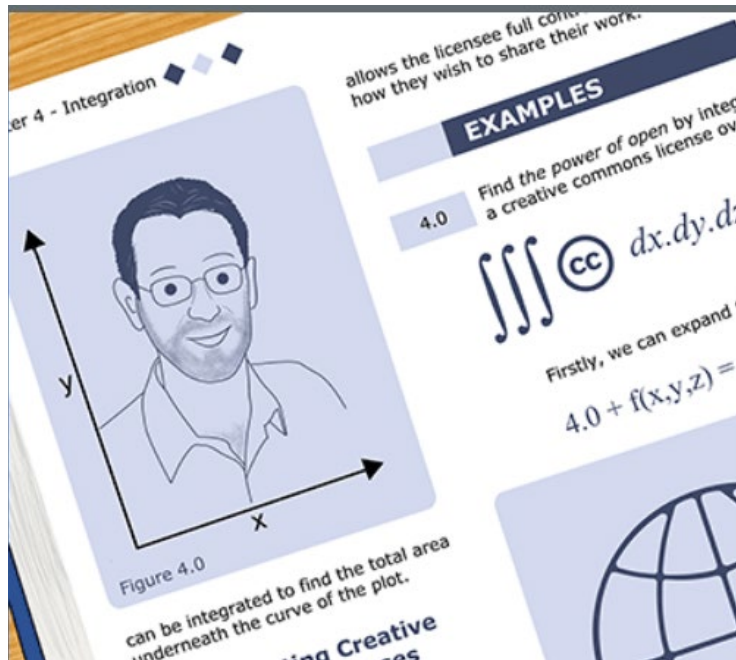
- Title and Source
- Author
- License

[Open Attribution Builder](#)

Example:

["Illustration of David Lippman"](#) by [Luke Surl](#) is in the [Public Domain, CC](#)

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Finding Openly Licensed Learning Material

- The Internet
- OER Repositories
- LibGuides/Institutions
- Miscellaneous

Google

Fair Use Resource

- Columbia Fair Use Checklist: <https://copyright.columbia.edu/basics/fair-use/fair-use-checklist.html>

Four Factors of Fair Use:

1. The purpose and character of the use
2. The nature of the copyrighted work
3. Amount and Substantiality of the portion taken
4. Effect and use on the potential market

likely to be fair vs. not likely to be fair

Step 1: Develop a Search Strategy

Course name: _____

Discipline: _____

Education level: _____

Learning objectives: _____

Asset type: _____

License type: _____

Keyword: _____

OER Repositories

- MERLOT: <https://www.merlot.org/merlot/>
- Openly Available Sources Integrated Search (OASIS) Search: <http://oasis.geneseo.edu>
- Mason OER Metafinder ([George Mason OER Metafinder](#))
- OER Commons: <https://www.oercommons.org>
- OpenStax CNX: <https://cnx.org/>
- Open Textbook Library: <https://open.umn.edu/opentextbooks/default.aspx>

Health and Medical OER

- UMD OER for Public Health: <https://sph.umd.edu/content/open-educational-resources-oer-public-health>
- JHSPSOPEN Courseware: Public Health Knowledge for the World: <https://ocw.jhsph.edu/>
- Welch Library Finding and Using Images: <https://browse.welch.jhmi.edu/finding-images/usage-rights>
- Welch Teaching and Learning: <http://browse.welch.jhmi.edu/teaching-learning-resources/open-educational-resources>
- OpenMichigan Public Health Resources: <https://open.umich.edu/find/open-educational-resources/global-health-resources>
- NYU Health (Nursing, Medicine, Allied Health): Open Educational Resources for the Health Professions: <https://guides.nyu.edu/health/oer>

Finding Openly Licensed Health/Medical Images

- [NLM's MedPix®](#) - MedPix® is a free open-access online database of medical images, teaching cases, and clinical topics, integrating images and textual metadata including over 12,000 patient case scenarios, 9,000 topics, and nearly 59,000 images. Our primary target audience includes physicians and nurses, allied health professionals, medical students, nursing students and others interested in medical knowledge.
- [UBC Radiological Atlas](#) - licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License
- [Open i](#) - Open Access Biomedical Image Search Engine
- [Wellcome Collection](#) - Explore Wellcome's freely available images

Further Reading

- [Maryland Open Source Textbook Initiative](#)
- [M.O.S.T Commons](#)
- [U.S. PIRG: Make Higher Education Affordable](#)
- [Open Pedagogy Notebook](#)
- [Creative Commons Wiki](#)
- Jensen, K., Nackerud, S., and Joslin, R. (Eds.) (2018). [*The evolution of affordable content efforts in higher education: Programs, case studies, and examples*](#) (K. Jensen & S. Nackerud, Eds.). Minneapolis, MN: University of Minnesota Libraries.
- Jhangiani, R S and Biswas-Diener, R 2017 *Open: The Philosophy and Practices that are Revolutionizing Education and Science*. London: Ubiquity Press. DOI: <https://doi.org/10.5334/bbc>. License: CC-BY 4.0
- CARE Framework: Petrides, Lisa, Douglas Levin, and C. Edward Watson “Toward a Sustainable OER Ecosystem: The Case for OER Stewardship” <https://careframework.org/>. License: CC BY-SA 4.0