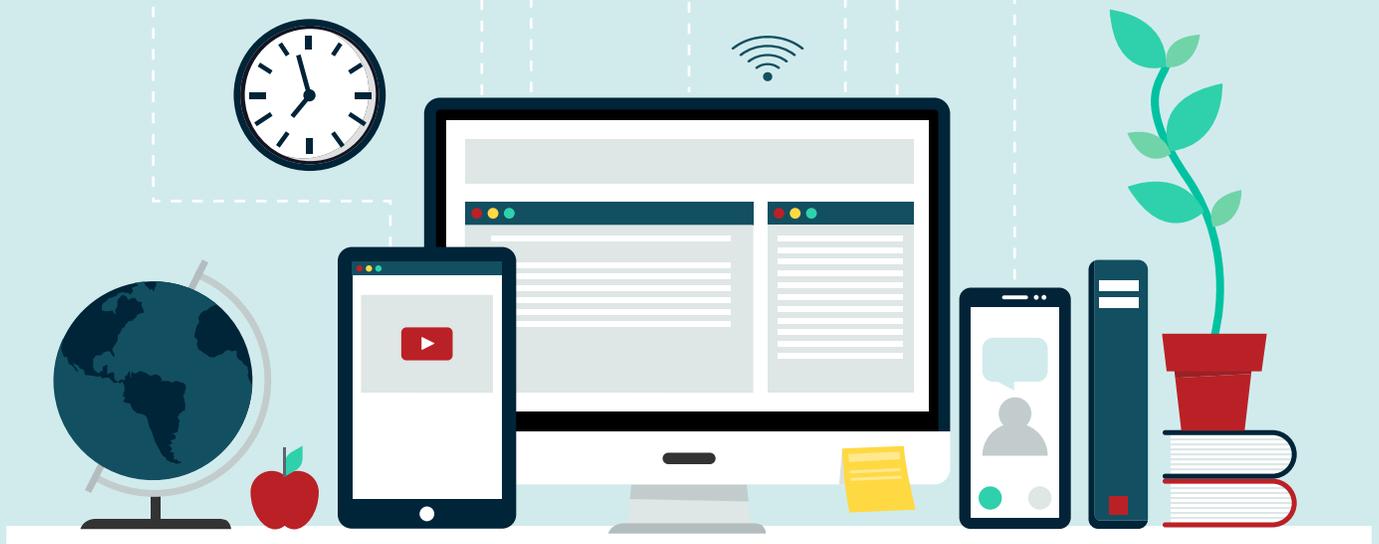




PB PRESSBOOKS **EDU**

An Online Content & Courseware Development Platform

Pressbooks supports blended and online learning with an intuitive authoring platform for educational material, an extensive directory of public books and open educational resources (OER), and secure methods of delivering content to the learning management system (LMS). Create or import content, add multimedia and interactive elements like quizzes, integrate content into the LMS, deliver content online and in multiple downloadable formats, and assess and track student learning—all with one easy-to-use platform.



Move to Blended & Online Learning

Online learning is nothing new, but the speed at which faculty and students have had to move to remote learning environments in 2020 is not something anyone expected. There is a massive amount of work ahead of the education community. Instructors need retraining. Course materials and assessments need restructuring. And curricula need reconfiguring. Students are worried about continued access to their course material and finishing their course loads while juggling new social and financial stressors. Meanwhile, administrators are fretting over the impact of the COVID pandemic on grades, enrollment, course withdrawals, and graduation rates.

Higher education is changing faster than anyone expected, and many of these changes will not be temporary. Institutions of higher education need infrastructure on which to build flexible blended and online learning programs that will empower faculty and attract students.

Students & Faculty Need Alternatives to Traditional Publishing Solutions

Commercial textbook and courseware publishers offer seemingly easy fixes to the learning crisis exposed by the pandemic, but those same easy fixes often create more problems for faculty and students. To name a few: Inclusive Access (an automatically billed digital textbook option) does not offer sustained access to learning material; commercial textbook content is locked down under strict copyright laws, dulling the ability to customize and redistribute materials; and prepackaged course solutions are often overly standardized, making them difficult to adapt for the context of a specific classroom. Pressbooks is an alternative to commercial educational publishing and technology—an alternative that provides educators the freedom to create and deliver high-quality, customizable, adaptable, and reusable textbooks and courseware.

Pressbooks Supports the Future of Higher Education

With Pressbooks, faculty, librarians, and even students can find, adapt, create and contribute to educational content that is customizable, accessible, interactive, and, if the author chooses, free. Whether an institution requires a quick solution for the next semester or an educational content creation solution for the long term, Pressbooks can ease the burden of the rapid shift to blended and online learning. By supporting non-disposable, open, accessible, interactive, and customizable content and courseware, **Pressbooks supports a resilient distance and online learning ecosystem.**

Pressbooks

Pressbooks consists of three tools that support the discovery, development, and delivery of educational material and courseware:

- **Pressbooks Directory**
- **Pressbooks Authoring & Editing Platform**
- **Pressbooks Results for LMS**



Pressbooks Directory

Since 2011, Pressbooks has been essential infrastructure for the open education movement and has supported the creation of thousands of open educational resources. Now, all public books created with Pressbooks can be made available and discoverable in the Pressbooks Directory. Users can access material and read it on the web, download it in multiple formats, and adapt it in accordance with the license chosen by the text's creator.

■ Discover New Content

Open textbooks, course outlines, monographs, lab manuals, works of fiction, and more—find and access more than 2,500 texts created using the Pressbooks Authoring & Editing Platform.

■ Filter by License

Sort material by license to determine how the material can be used. Material with [a Creative Commons license](#) can be adapted to meet the needs of a particular instructor or group of students.

■ Find Interactive OER

Easily find content enhanced with H5P interactive elements like quizzes and flashcards.

■ Import Content

Import openly licensed content from the Pressbooks Directory (or from other sources including MS Word documents) directly to the Pressbooks Authoring & Editing Platform, where users can enhance material with their own interactive quizzes and other assessment options, audio/visual elements, online social annotation, and more.



Pressbooks Authoring & Editing Platform

Using the Pressbooks Authoring & Editing Platform, faculty can adapt existing OER for their classrooms, create new material from scratch, and enrich content with accessible math notation, videos, audio, web annotation, and interactive elements like quizzes and other forms of assessment.

■ Write New Content or Import & Edit

Write original content such as textbooks, courseware, readers, lab manuals, and more. Or, add new custom content to existing OER. Import content from the Pressbooks Directory (or other sources, such as Word files and EPUBs) to adapt to the needs of a specific classroom.

■ Add Accessible Math Notation

Ensure STEM content has accessible math notation that all learners can read. Render LaTeX, AsciiMath, and MathML with MathJax as accessible math on the web. Export math in PDF, EPUB, and other downloadable formats.

■ Include Audio and Video Content

Do more with your texts by enhancing books with audio/visual content. Include music, recorded lectures, lab demonstrations, and more directly in a textbook.

■ Add Assessment with H5P

Allow students to assess their learning as they read using H5P activities. Review their performance in the learning management system (LMS) gradebook using Pressbooks Results for LMS.

■ Create an Online Social Annotation Space with Hypothesis

Have students perform in-text activities that incorporate discussions for a private group or for the larger public. Enrich the discussions with audio/visual material.

■ Publish with Beautiful Book Templates

Choose from a wide range of beautiful book templates that present material in an accessible and professional form.

■ Conform with the Highest Accessibility Standards

Use software that conforms with accessibility standards (WCAG 2.0 A & AA guidelines) and encourages the creation of accessible publications that can be used by all learners.

■ Deliver OER in 10+ Formats

Export and deliver content in 10+ formats including native interactive web, PDF, EPUB, MOBI, XHTML, HTMLBook, ODT, XML, and Thin Common Cartridge.



Pressbooks Results for LMS

Pressbooks does more than support the creation of open textbooks. With Pressbooks, course material can be easily integrated into a learning management system (LMS). Pressbooks has achieved [IMS Global certification for the LTI 1.3 and LTI Assignment & Grade Service](#).



■ Secure LTI 1.3 Advantage connection to LMS

With learning tools operability (LTI) connection, educational content created on Pressbooks can be securely and seamlessly integrated into online classes delivered on your institution's LMS. Pressbooks is a certified LTI 1.3 tool.

■ Interactions Display

Students and instructors can better understand what students are learning while using Pressbooks. Results from H5P quizzes and other interactive elements can be synced to and displayed within the LMS's gradebook. With Pressbooks Results for LMS, students can instantly see their aggregate results and instructors can analyze student performance in the same space where they review any other graded course activities.

■ Analytics

Understand how your institution is using Pressbooks with Network Analytics. Allow network managers to see information about users, books, as well as network visits and file downloads.

Supercharge OER programs to support distance learning

Whether your institution has a full-fledged open publishing program or a single dedicated OER librarian, there is very likely someone on campus who has been thinking about and doing the work of online accessible education that is so critical in this moment and in the future. As institutions realize that hosting classes in a video conference is not a sufficient mode of online teaching, many educators are turning to those dedicated OER experts for support. Instructional designers, librarians, instructors with experience in online learning—they are all becoming leaders in higher education, stepping up to help their peers deliver quality distance education. But they need help.

With Pressbooks, the hard work OER champions put into adapting, creating, and delivering OER is optimized to impact the greatest number of learners. OER created by faculty can be published on a platform branded with an institution's logo and color palette, formalizing the efforts of instructors and allowing them to contribute to the knowledge commons in a different and more active way than traditional textbook publishing.

By integrating OER with interactive elements directly into an LMS, that educational resource can become the basis of an online class. Students can access their readings and quizzes in the same space, and, with Pressbooks Results, educators can assess student learning from within the LMS. **And rather than plugging in a pre-packaged course, faculty have the ability to quickly adapt and customize content for their learners, ultimately providing a better learning experience to those who matter most: students.**

There is growing consensus about the efficacy of OER. One widely circulated [meta-analysis published by Virginia Clinton](#) showed a 29% drop in withdrawal rates in courses that adopted an open textbook, with otherwise equivalent outcomes. These are the kinds of effects on key performance indicators that institutions need to see right now. And effects like this can be attributed to the work of those on-campus OER heroes. It's time to empower those heroes with the tools they need to do more.

Who is Pressbooks

Pressbooks was founded in 2011 by Hugh McGuire (founder of Librivox and Rebus Foundation) as a way to help new models of book publishing emerge, supporting any author, from the romance novelist to the PhD-holding monograph writer, from journalists to academic presses. Over the years, Pressbooks evolved into the platform of choice in the open education community, supporting the early adopters of OER at institutions like the University of Hawaii and SUNY, and organizations like the Unizin Consortium, eCampus Ontario, and BCcampus.

The team has grown to include academics, instructional designers, artists, web developers, philosophers, and other out-of-the-box thinkers. Pressbooks' headquarters is in Montreal, Canada, but team members live in five different cities across North and South America. We have developed a strong working fellowship based on shared principles. At every turn and every decision, we consider the principles Pressbooks was founded on: consistency and trust, accessibility and inclusion, respect for authors, user and academic freedom, and openness.

Additional Resources

"What's "Open" During COVID-19? In Global Pandemic, OER and Open Access Matter More than Ever" by Lindsey Gumb, New England Board of Higher Education.

<https://nebhe.org/journal/whats-open-during-covid-19-in-global-pandemic-oer-and-open-access-matter-more-than-ever/>

"Automatic Billing" from U.S. PIRG <https://uspirg.org/feature/usp/automatic-textbook-billing>

"Efficacy of Open Textbook Adoption on Learning Performance and Course Withdrawal Rates: A Meta-Analysis" by Virginia Clinton and Shafiq Kahn

<https://journals.sagepub.com/doi/10.1177/2332858419872212>

Open Educational Resources from UNESCO <https://en.unesco.org/themes/ict-education/oer>

"Defining the "Open" in Open Content and Open Educational Resources"

<https://opencontent.org/definition/>

"The Cost of Homework" from BCcampus

<https://bccampus.ca/2020/05/07/the-cost-of-homework/>

"Using OER to Reopen" from BCcampus

<https://bccampus.ca/wp-content/uploads/2020/05/Using-OER-to-reopen.pdf>

"Open Educational Resources and the Cost of Required Course Materials in Four-Year Universities" from Washington State Institute of Public Policy

https://www.wsipp.wa.gov/ReportFile/1711/Wsipp_Open-Educational-Resources-The-Cost-of-Required-Course-Materials-in-Four-Year-Universities_Report.pdf

"Impacts of the COVID-19 pandemic on postsecondary students" from StatCan

<https://www150.statcan.gc.ca/n1/daily-quotidien/200512/dq200512a-eng.htm>

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