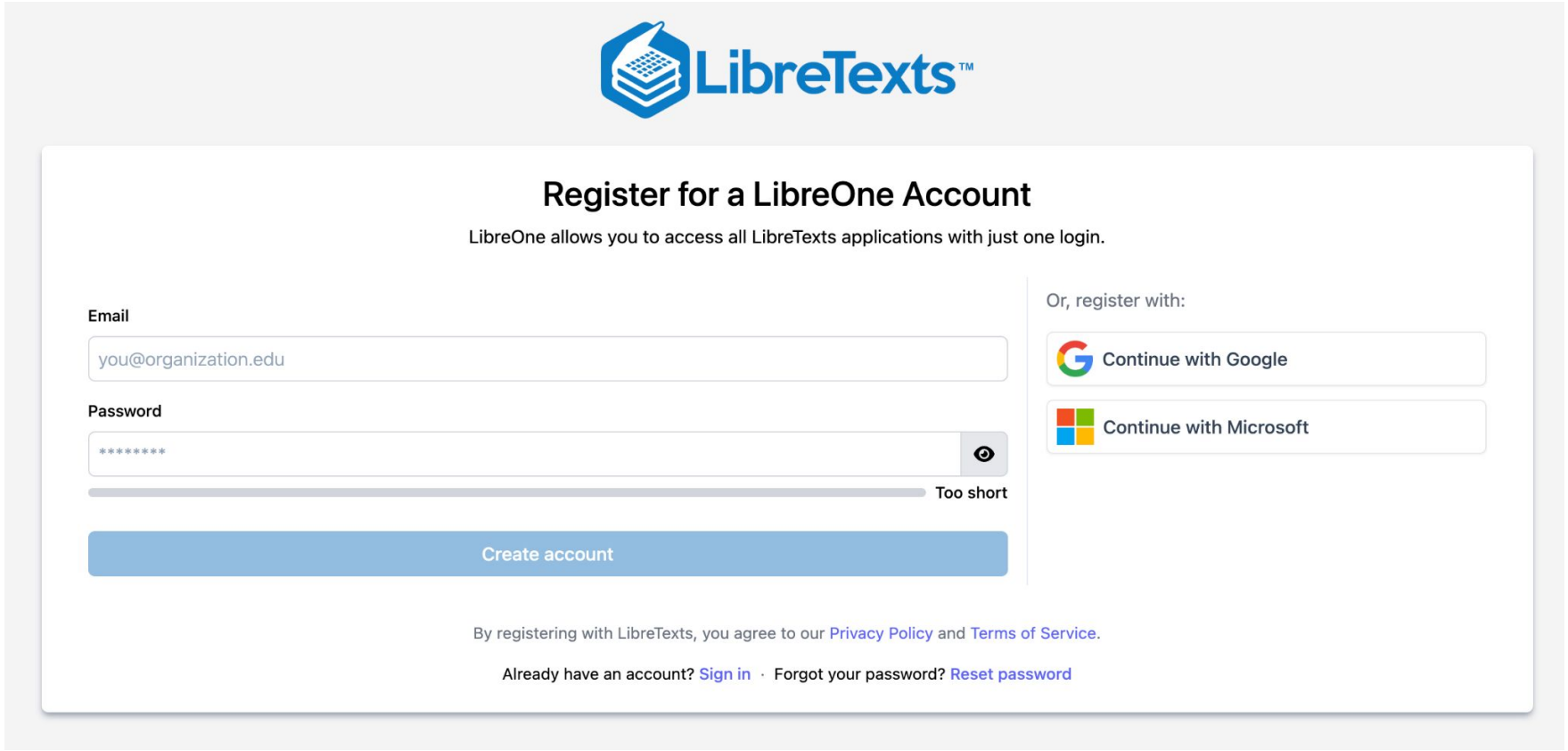
LibreTexts Jumpstart: Kansas Board of Regents

February 26, 2025

LibreTexts Community: The LibreNet Consortium

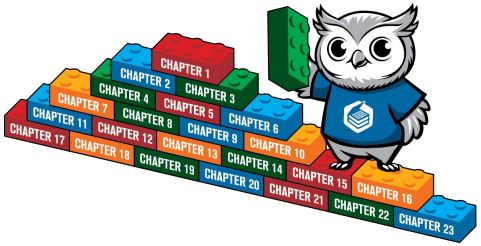
	Custom TextBooks	Professional Development	Commons & Conductor	Support	Login
FREE	upto 5 per campus	Access to semi-annual LibreFests	Access to central LibreTexts Commons	Access to biweekly office hours 24 hour access to discussion forums and chat rooms	Not required for students Free instructor accounts Access to SSO
LibreNet **Full membership**	unlimited	Introductory two-hour jumpstart training	Customized and branded Commons&Conductor	Priority access to development teams	Not required for students Free instructor accounts Access to SSO
LibreNet: Affiliate **(only available in conjunction w/ full membership at system/institution level)**	unlimited	Access to semi-annual LibreFests	Access to central LibreTexts Commons	Access to biweekly office hours 24 hour access to discussion forums and chat rooms Limited access to development teams	Not required for students Free instructor accounts Access to SSO

Creating an Account: one.libretexts.org/register

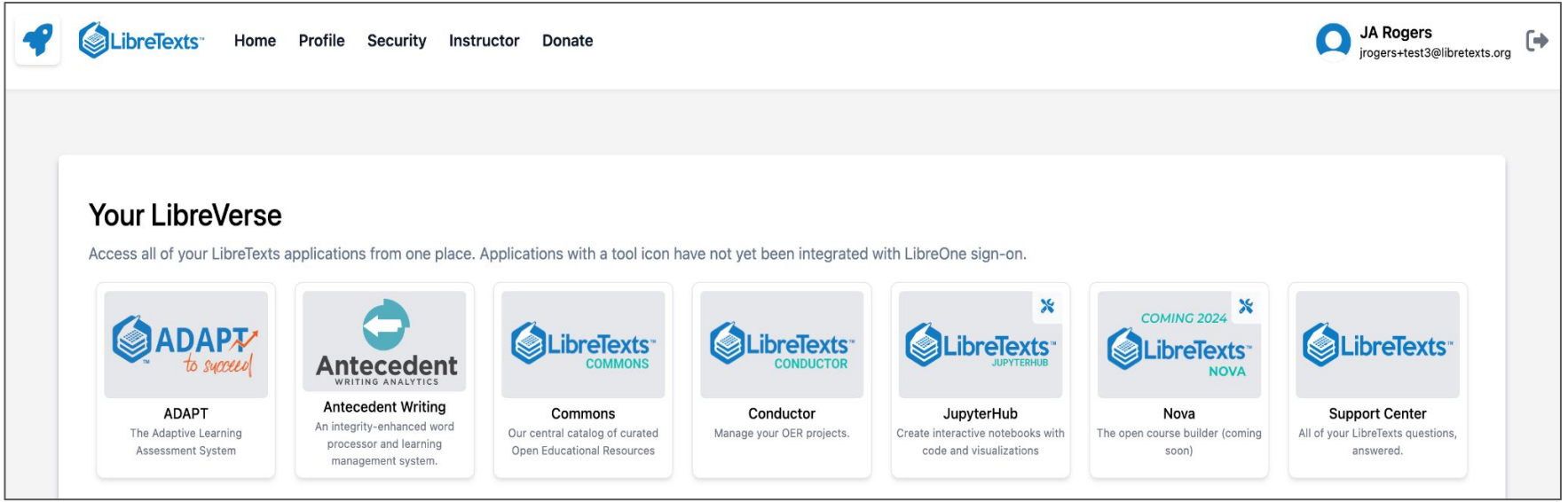


LibreVerse Services: **LibreTexts Academy!**

- FREE Monthly Webinars (this was #1!)
- LibreFest and OctoberFest
- In-Person or Virtual Workshops
- Cohort Training: Institution, Collaboration, or Discipline-based
- Long-term Mentoring Program: Individual or Group
- Asynchronous Training Modules
- Professional Development Module Development
- Grant-Writing and OER Hosting/Dissemination Collaborations



Getting Started: LibreTexts Launchpad



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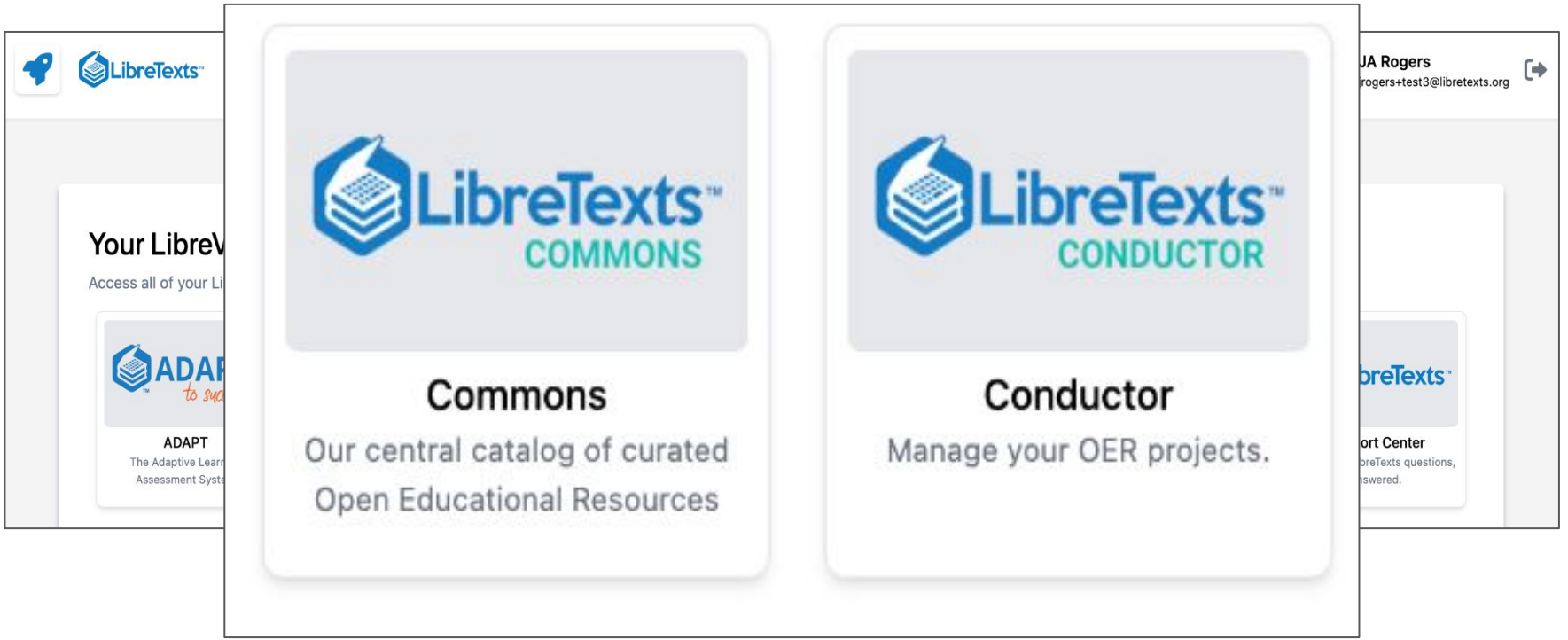
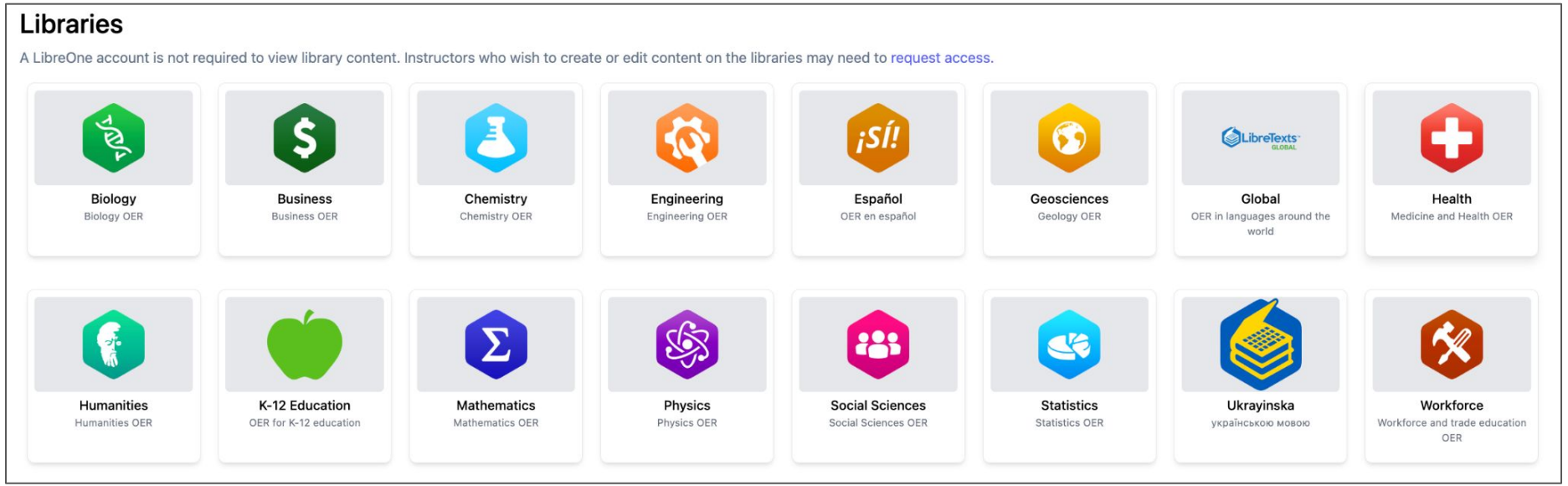
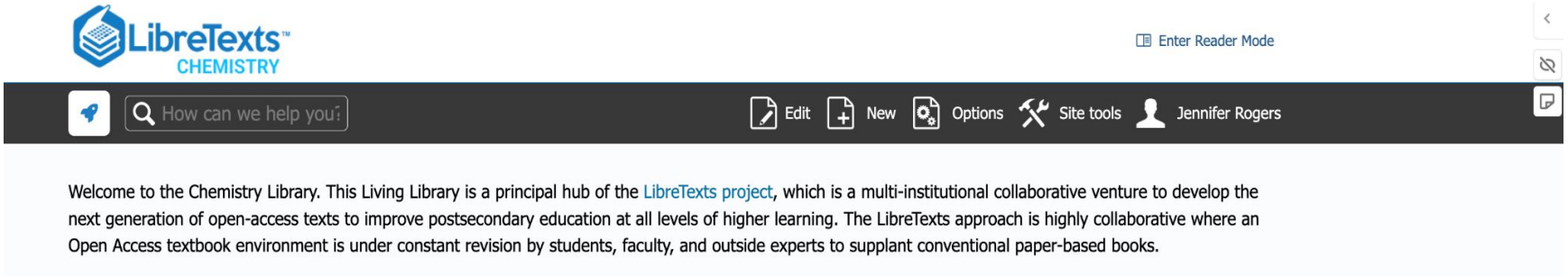


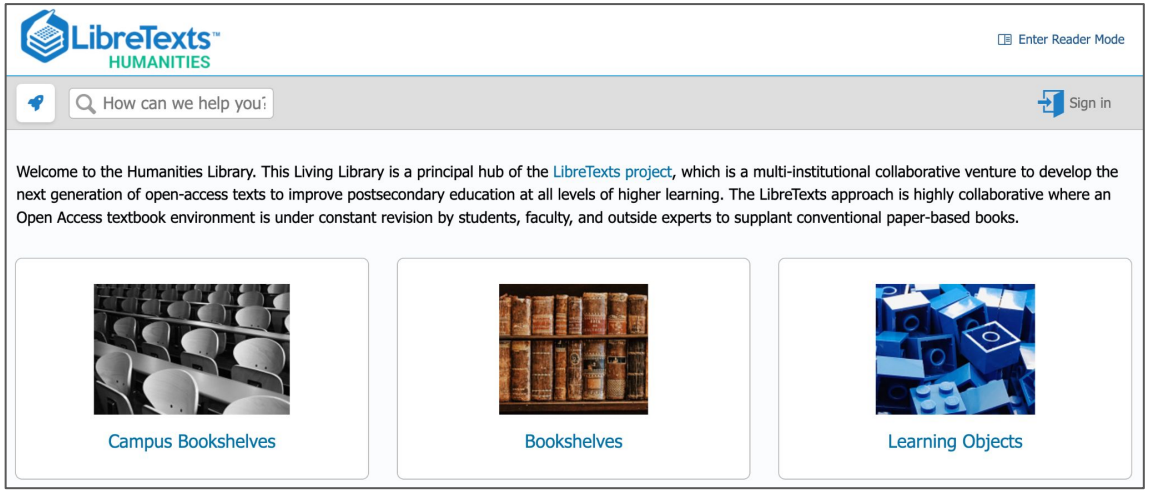
Getting Started: LibreTexts Libraries

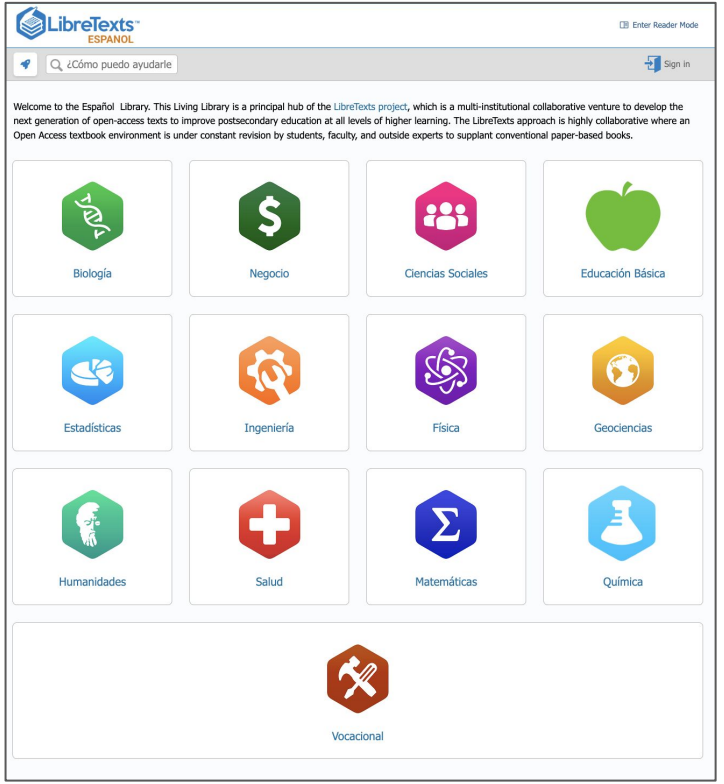


Getting Started: LibreTexts Libraries (cont.)



Getting Started: LibreTexts Library Homepage

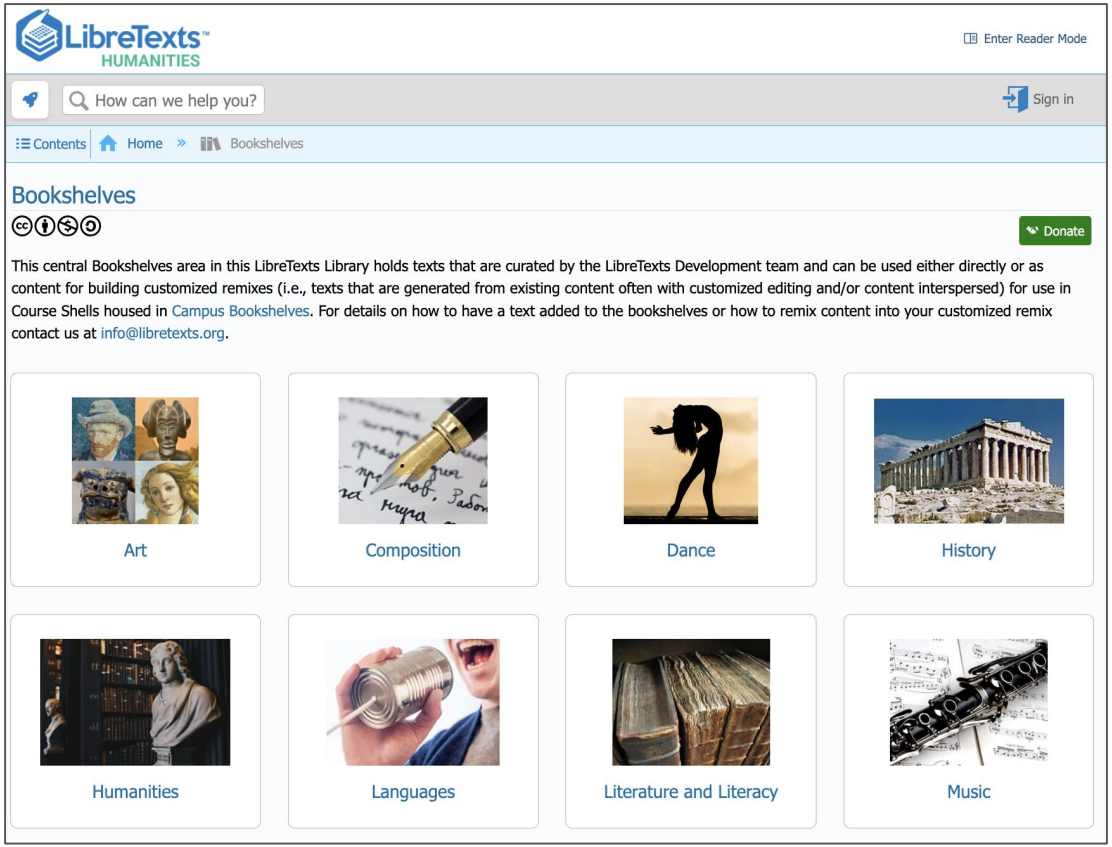




Campus Bookshelves - Instructor-curated and syllabus-based textbooks organized by Institution.

Bookshelves - Traditional “stand-alone” textbooks organized by discipline or subdiscipline.

Getting Started: LibreTexts Library Bookshelf



Getting Started: LibreTexts Library Bookshelf

LibreTexts HUMANITIES

How can we help you?

Contents | Home » Bookshelves

Bookshelves

This central Bookshelves area in this LibreTexts Library holds texts that are curated by the content for building customized remixes (i.e., texts that are generated from existing conte Course Shells housed in Campus Bookshelves. For details on how to have a text added to contact us at info@libretexts.org.

Art

Composition

Humanities

Languages

LibreTexts HUMANITIES

Enter Reader Mode

How can we help you?

Sign in

Contents | Home » Bookshelves » Composition

Composition

Donate

The term composition refers to the body of important features established by the author in their creation of literature. Composition relates to narrative works of literature, but also relates to essays, biographies, and other works established in the field of rhetoric.

Grammar

Introductory Composition

Advanced Composition

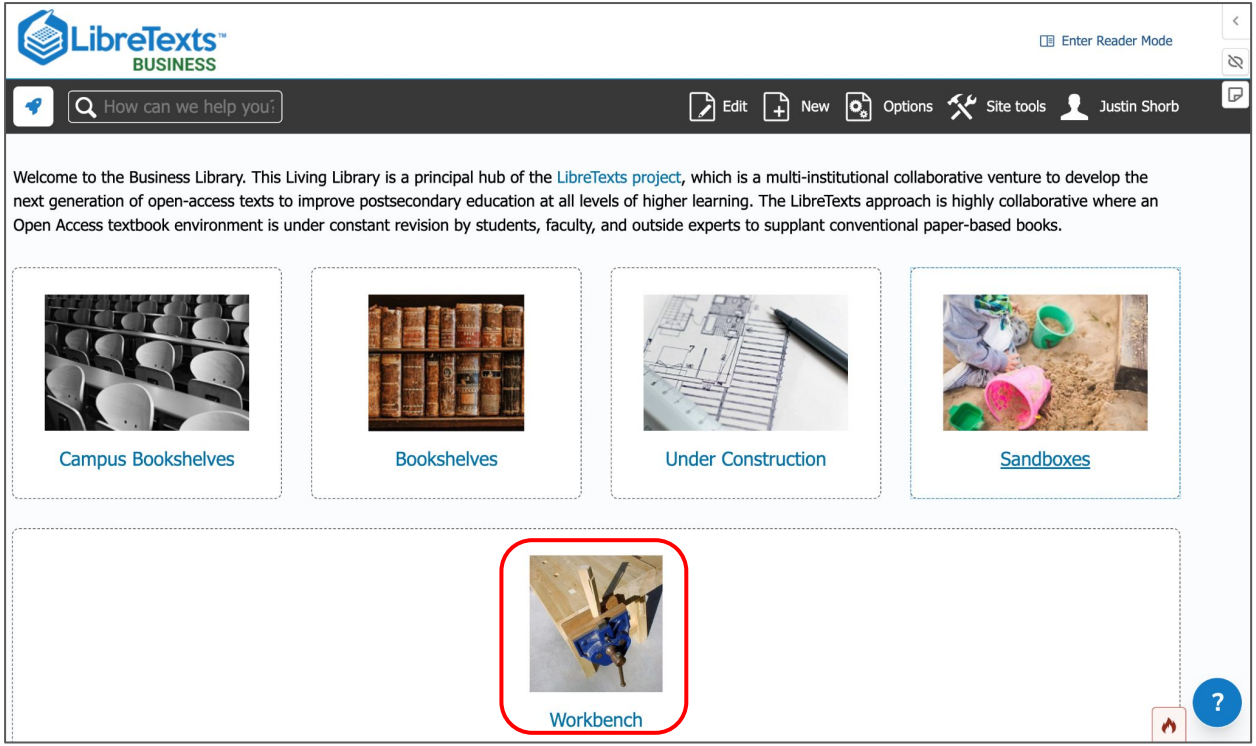
Technical Composition

Specialized Composition

Specialized Composition - Online Writing

Unpublished Work: Under Construction, Sandboxes, Workbench

All work will start in an unpublished state and once finished will be moved by the LibreTexts team to the appropriate location, the book will show up in the Commons, and the full PDF/ePub options will be available.



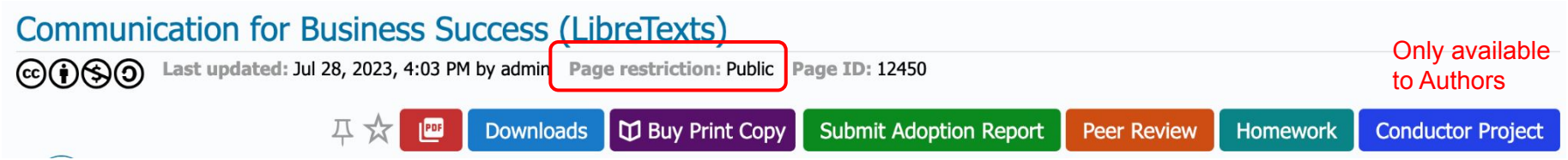
Published vs. Unpublished

Both are accessible and editable by the authoring team.

Only Published books have all of the features (printing, PDF, etc).

Only Published books will be on the Commons, Campus Commons, and discoverable by the public, including search.

Unpublished books are only available to the authoring team.



Authoring a Textbook

1. What do we already have? **LibreTexts Commons**
2. What else is out there? **OER Books & Licensing**
3. Where do I start? **Formats, Harvesting, and Remixing**
4. What do I do? **LibreTexts Conductor**
5. How do I Publish?

Authoring a Textbook

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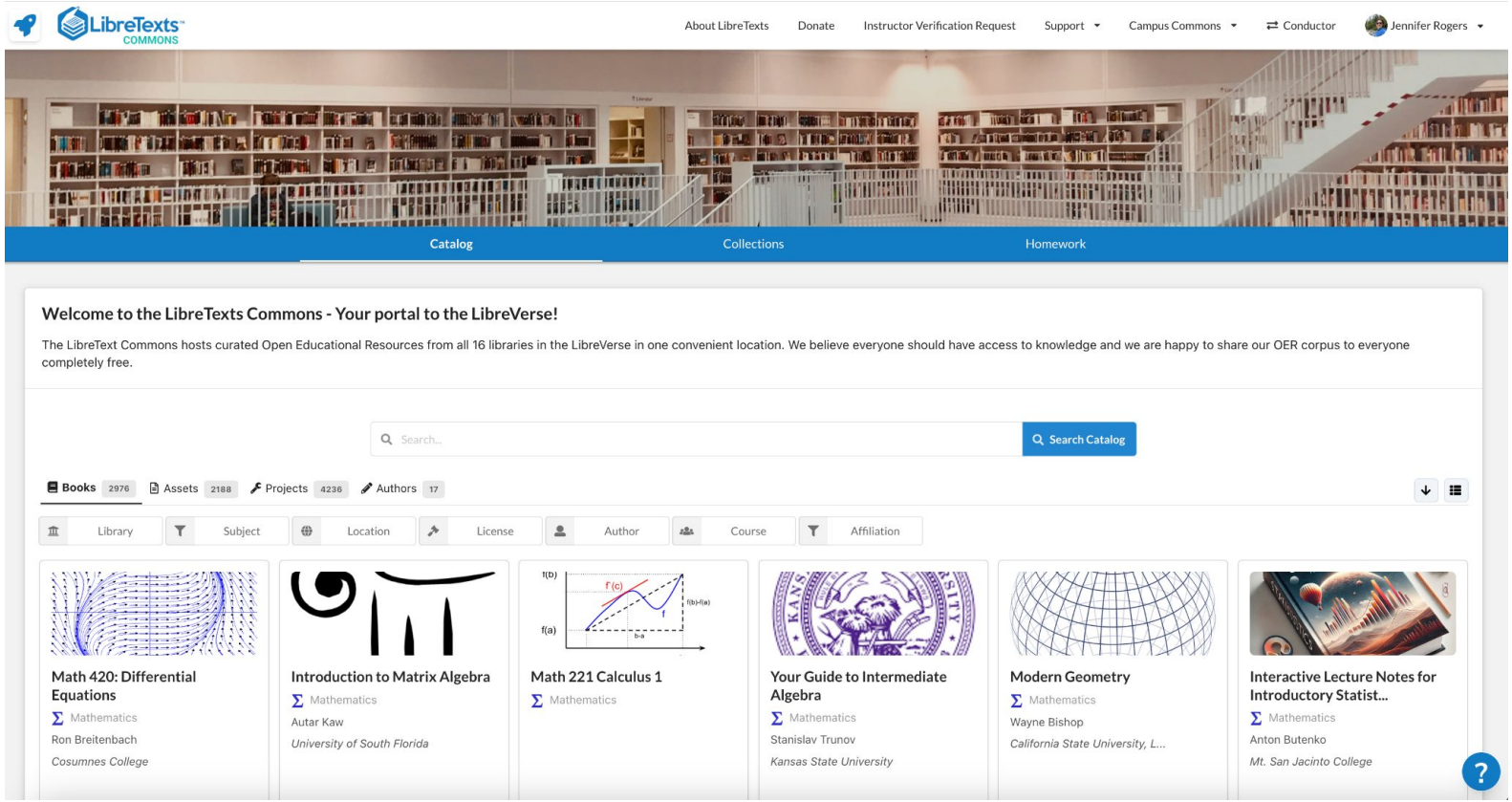
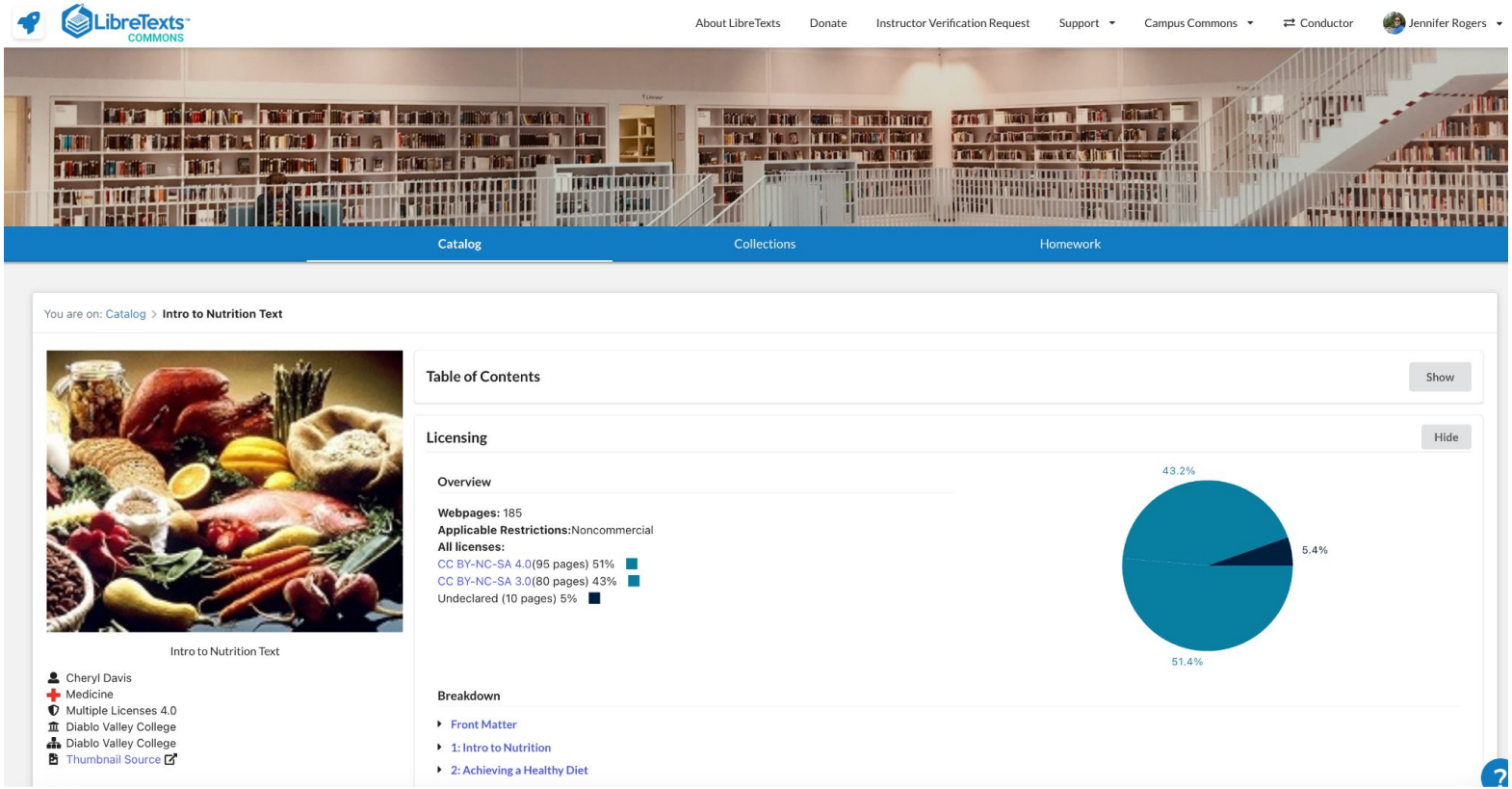
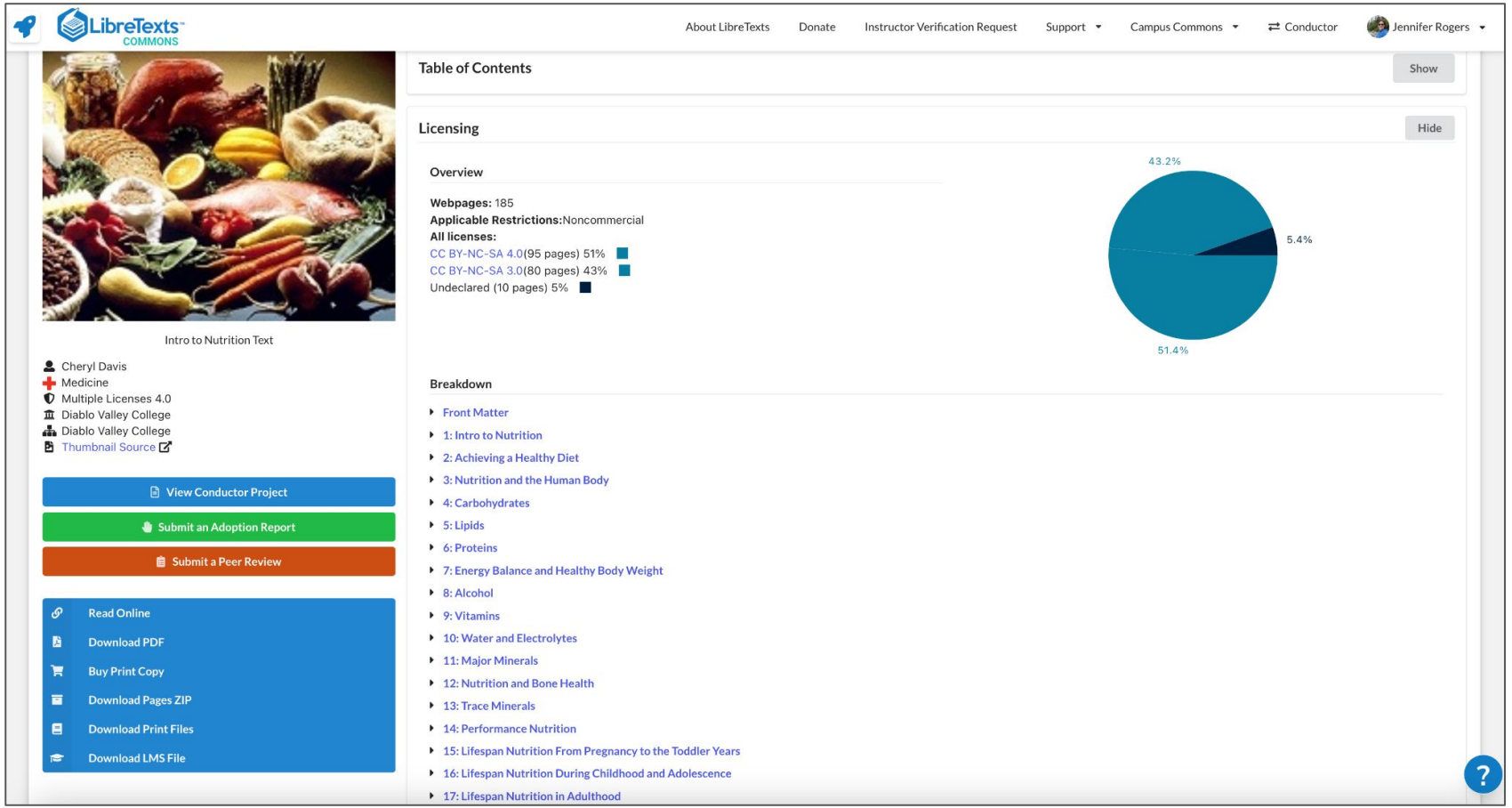
Getting Started: Commons Homepage



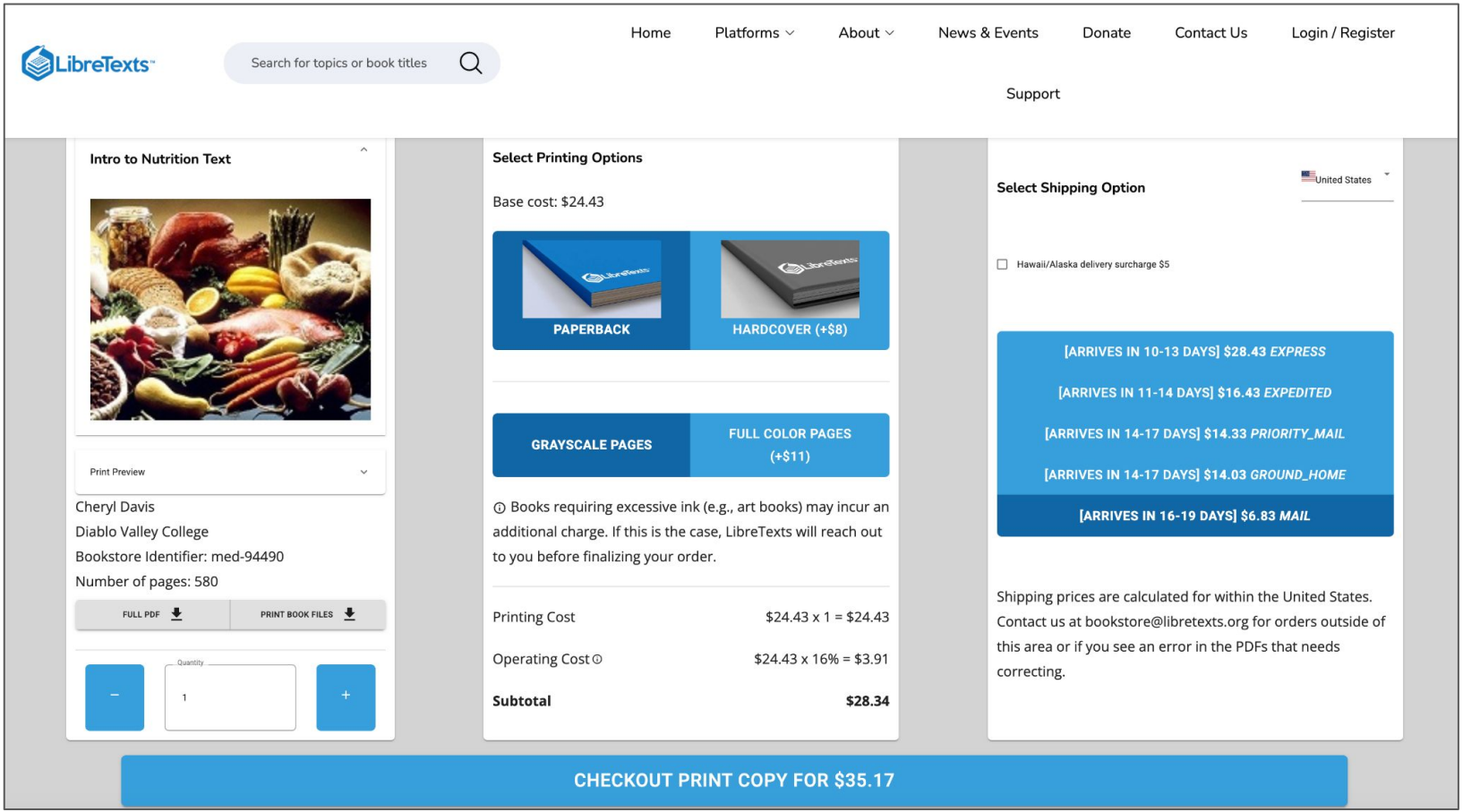
Getting Started: Books in the Commons



Getting Started: Book Features in the Commons



Cool Feature: LibreTexts Bookstore



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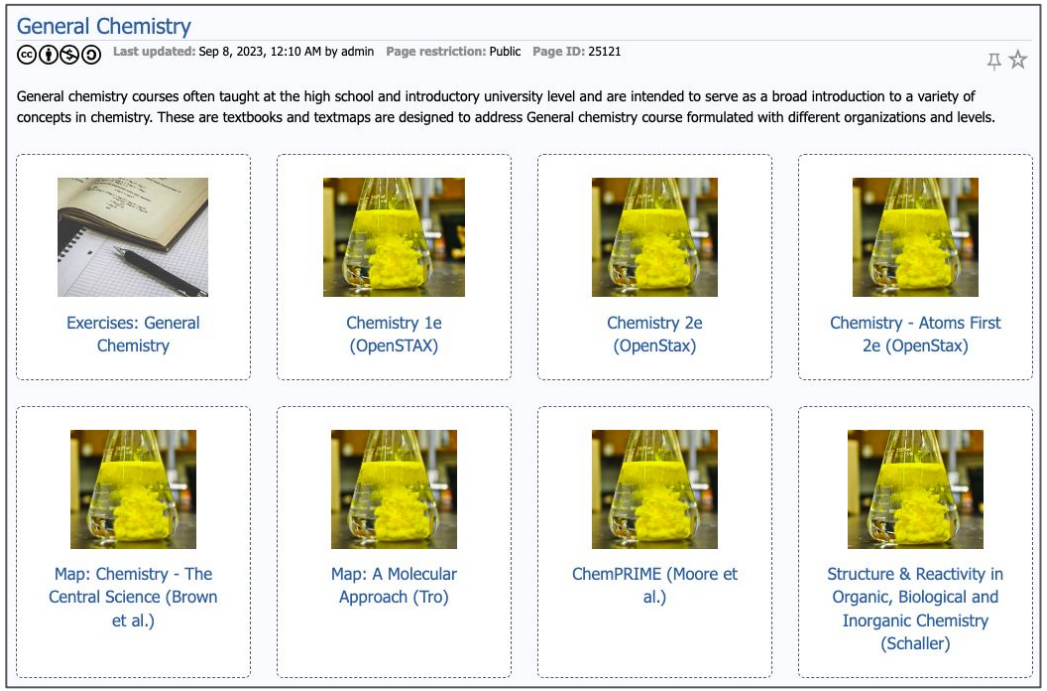
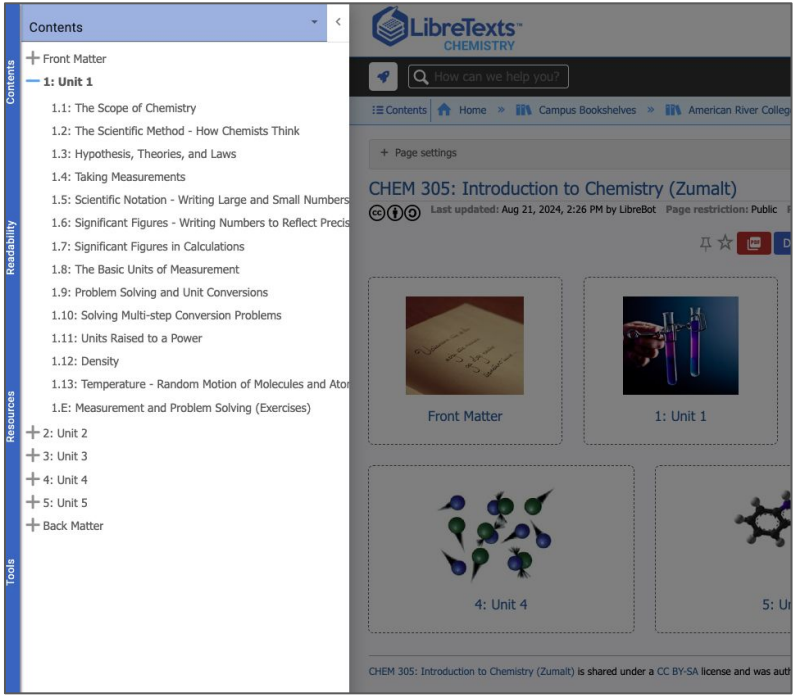
Other OER Resources

OER = Open Education Resources
Open Content → Can be re-used and modified (per the license).

Contributed Textbooks,
Textbook Maps,
Integrated/Harvested Books,
Custom Remixes





More on customization next month in the FREE Monthly Webinar on Remixing Content for Custom Books!

Mechanisms for Authoring & Incorporation

Development of content in the LibreTexts platform proceeds via five mechanisms operating in parallel:

- *Mechanism 1:* Student contribution from **scratch** (e.g., via extra credit)
- *Mechanism 2*: Student integration of **existing** content outside the LibreTexts platform from faculty and experts
- *Mechanism 3:* Faculty construction of raw content from **scratch**
- *Mechanism 4:* Faculty integration of **existing** content outside the LibreTexts platform from faculty and experts
- *Mechanism 5:* Faculty and student re-editing of content already existing on the LibreTexts (with permission)

Collaborative Authoring of OER Material between faculty and students is **Open Pedagogy**

Authoring a Textbook

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Importing, Integrating, and Harvesting

https://chem.libretexts.org/Courses/Remixer_University/LibreTexts_Construction_Guide_1e/06%3A_Contributing_Harvesting_and_Curating_Content/6.01%3A_Harvesting_Workflows

Preeti Chitre

Director of Harvesting and Integration

From Scratch
• Step 1: Build the empty Text Skeleton - User Remixer (**New Remix** mode)
• Step 2: Add content individually to each page (i.e., page-by-page copy and pasting or direct editing)
• Step 3: Edit and typeset pages individually as needed
  ◦ Use Remixer to reorganize pages
  ◦ Use page editor for curating content on pages
	From Website (online)
	• Step 1: Build the empty Text Skeleton - User Remixer (**New Remix** mode)
	• Step 2: Add content individually to each page (i.e., page-by-page copy and pasting or direct editing)
	• Step 3: Edit and typeset pages individually as needed
	  ◦ Use Remixer to reorganize pages
	  ◦ Use page editor for curating content on pages
	  ◦ Use Mathpix for OCRing equations as needed
		From PDF
		Mechanism I
		• Pull PDF into google doc (via uploading to google drive)
		• Follow **Google Doc** workflow
		Mechanism II
		• Build the empty Text Skeleton
		• Copy & Paste content into each page individually
		• Edit and typeset pages as needed
		• Use Mathpix for OCRing equations as needed

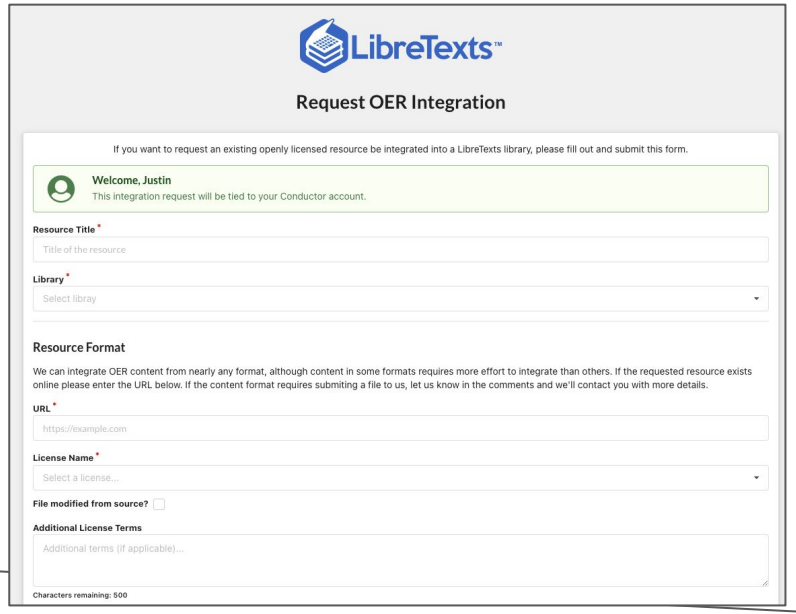
From Word *Mechanism I* • Pull PDF into Google doc (first upload pdf to Google Drive, then select "Open in Google Doc") • Follow **Google Doc** workflow *Mechanism II* • Build the empty Text Skeleton • Copy & Paste content into each page individually • Clear formatting as needed since word generates messy code) • Edit and typeset pages as needed • Use Mathpix for OCRing equations as needed • User GrindEQ to convert MS equations to latex	**From Google Doc** *Mechanism I* • Convert to EPUB file • User LT Importer to import EPUB file (admin use only) • Edit and typeset pages as needed *Mechanism II* • Build the empty Text Skeleton • Copy & Paste content into each page individually • Edit and typeset pages as needed • Use Mathpix for OCRing equations as needed	**From EPUB/Common Cartridge** • User LT Importer to import EPUB file • Edit and typeset pages as needed If the EPUB is unvalidated (poorly constructed), then the LT importer will not generate all pages and will push chapter content into single pages. If this happened, then user Remixer (in remix mode) to flesh out the text generated from the Importer (e.g. add relevant pages).
From Latex Source • Build the empty Text Skeleton • Use Pandoc to convert latex source code to html/mathjax code ◦ The command line code to use is "pandoc --mathjax -t html5 input.tex -o output.txt" • Copy & Paste content into each page individually (as html source instead of GUI front end) • Edit and typeset pages as needed	**From Pressbooks** *Mechanism I (if EPUB export option is available)* • Export text into EPUB • User LT Importer to import EPUB file (admin use only) • Edit and typeset pages as needed • Use Mathpix for OCRing equations as needed *Mechanism II (if EPUB export option is not available)* • Import into LT Pressbooks instance (admin use only) • Export text into EPUB • User LT Importer to import EPUB file (admin use only) • Edit and typeset pages as needed • Use Mathpix for OCRing equations as needed	**From Lumen (modified Pressbooks)** Lumen platform is really a Pressbooks platform slightly modified with no export options (OER content is fettered). • Import into LT Pressbooks instance (admin use only) • Export text into EPUB • User LT Importer to import EPUB file (admin use only) • Edit and typeset pages as needed
From EPUB3 *Direct Importer under development* • Pull into EPUB reader and follow Website workflow	**From XML** *Direct Importer under development*	**From Pretexts** Requires admin access to the importer to harvest.

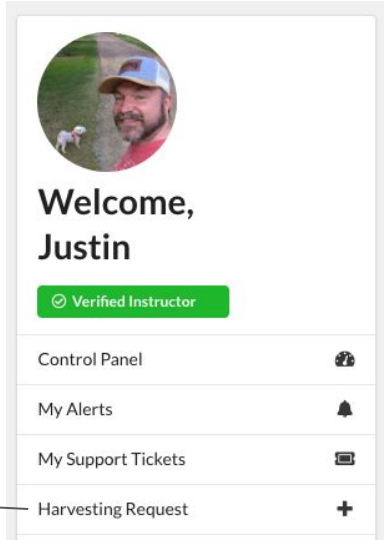
Importing, Integrating, and Harvesting

https://commons.libretexts.org/harvestrequest

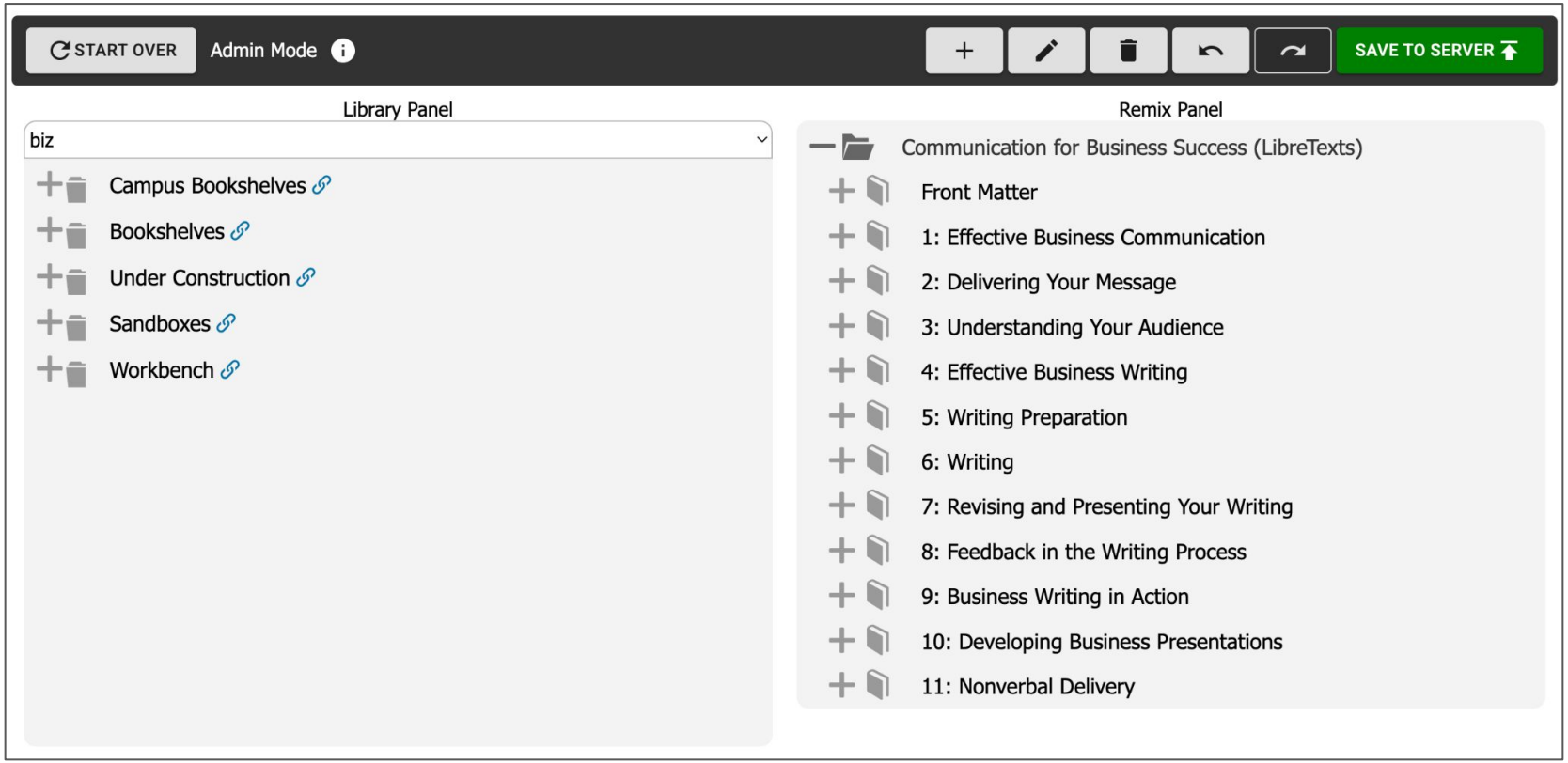
Preeti Chitre

Director of Harvesting and Integration





Remixer: Any existing content in any Library into a Custom Book



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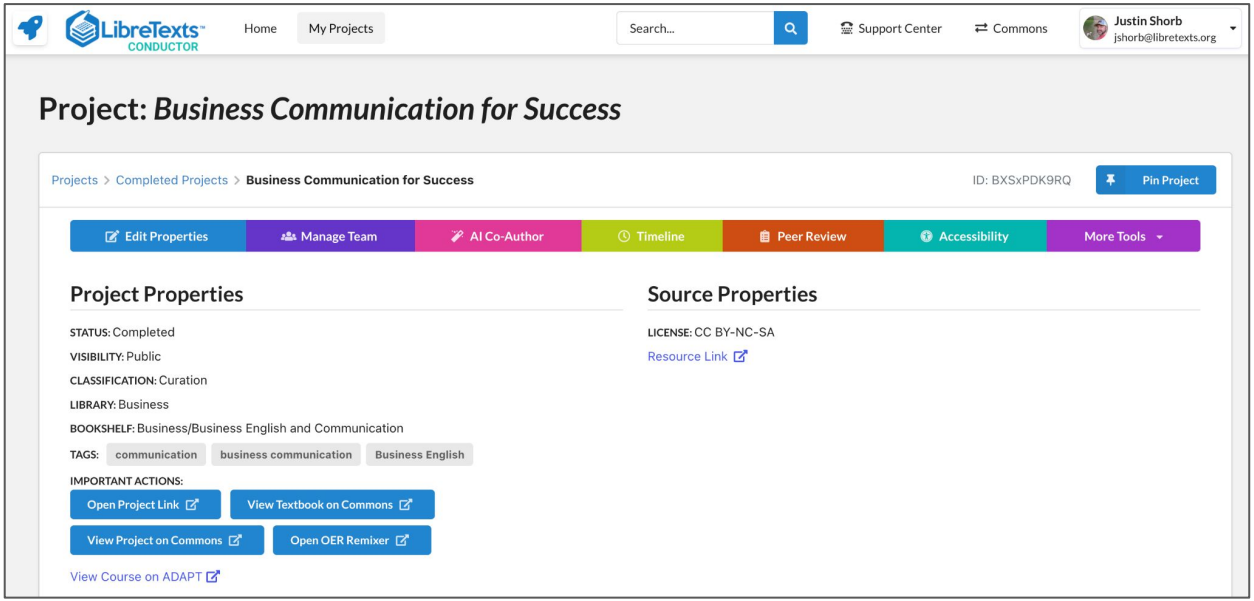
4. What do I do? **LibreTexts Conductor** ←
5. How do I Publish?

LibreVerse Services: Conductor – Project Management & Authoring



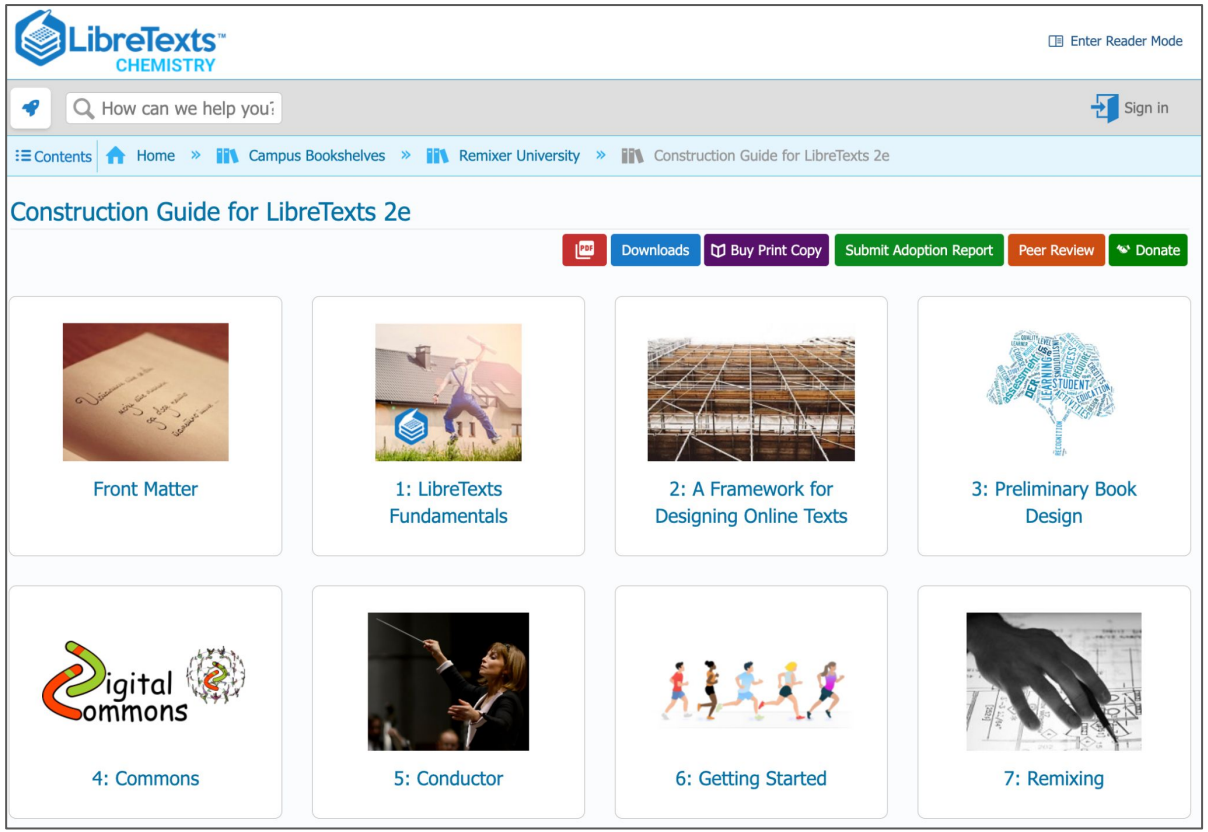
- Authoring Teams
  - Tasks
  - Communication
- Remix/Customization
- Peer Review
- Accessibility Tools
- AI for Metadata & Alt Text

LibreTexts Academy: Construction Guide 2e

https://libretexts.org/academy

LibreTexts Construction Guide

https://chem.libretexts.org/Courses/Remixer_University/Construction_Guide_for_LibreTexts_2e



- 1: LibreTexts Fundamentals
- 2: A Framework for Designing Online Texts
- 3: Preliminary Book Design
- 4: Commons
- 5: Conductor
- 6: Getting Started
- 7: Remixing
- 8: Basic Editing
- 9: Advanced Editing
- 10: Page Settings
- 11: Interactive Elements
- 12: Contributing, Harvesting, and Curating Content
- 13: Disseminating Texts
- 14: ADAPT Homework System
- 15: Styles, Standards, and Typesetting
- 16: Conductor for Admins

LibreTexts Construction Guide

https://chem.libretexts.org/Courses/Remixer_University/Construction_Guide_for_LibreTexts_2e

- 1: LibreTexts Fundamentals
- 2: A Framework for Designing Online Texts
- 3: Preliminary Book Design

Pedagogy of Online Textbook Design: Future Webinar?

- 4: Commons
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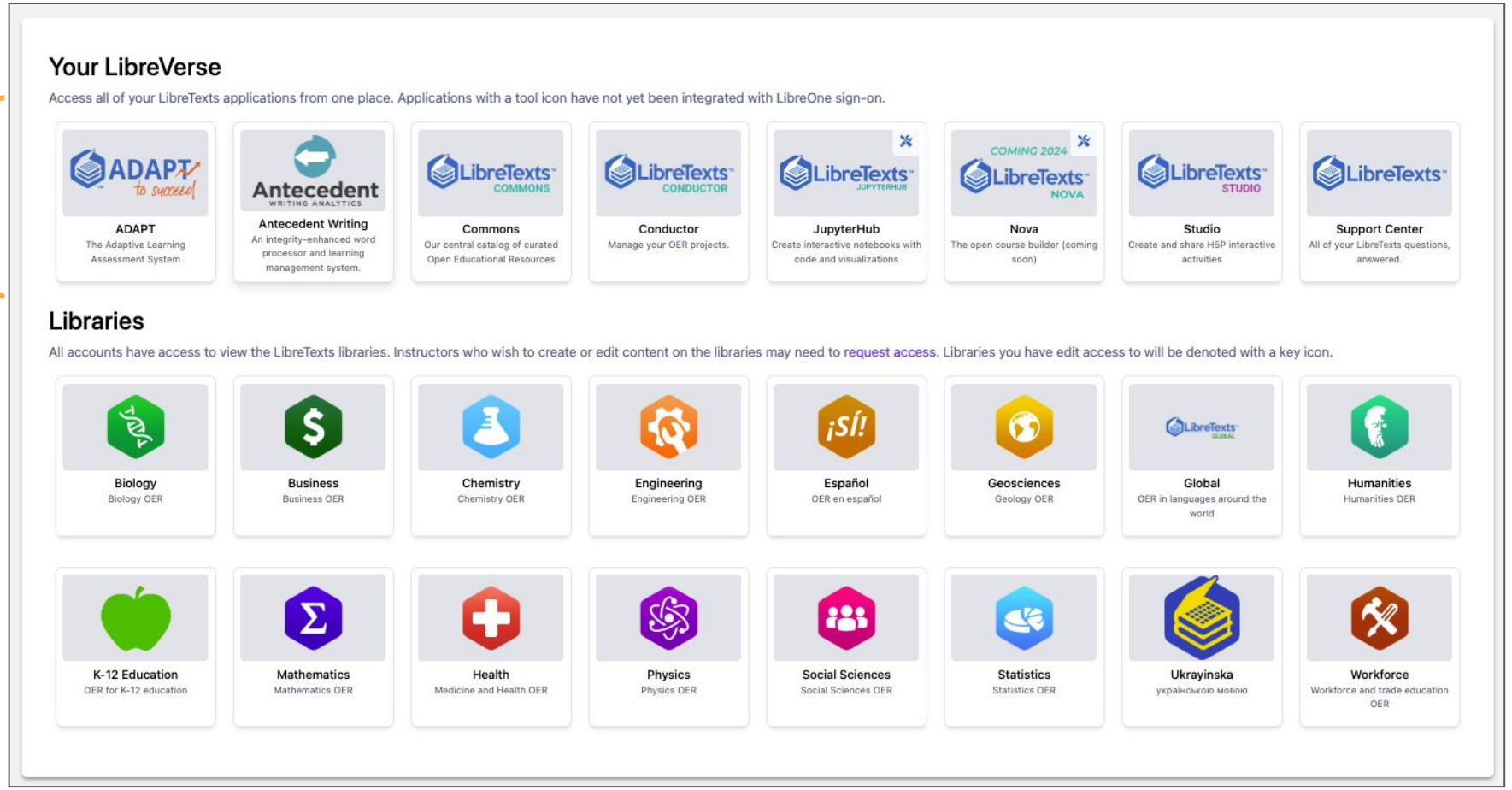
First Webinar

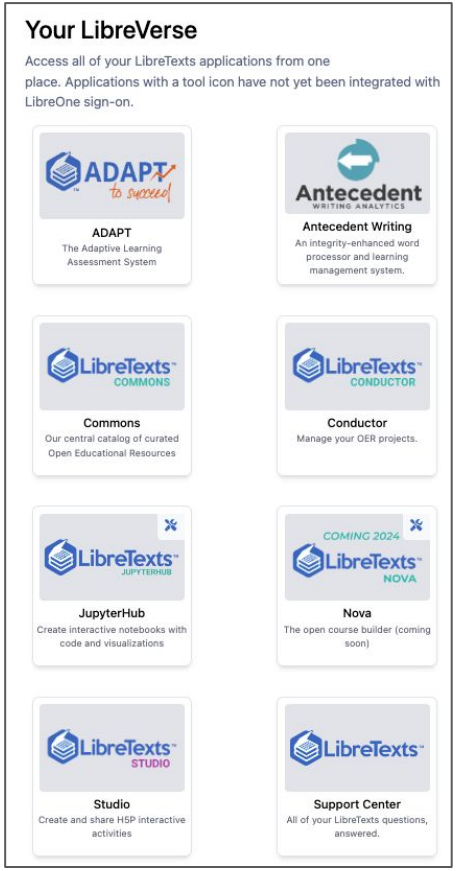
This Webinar

Next Webinar

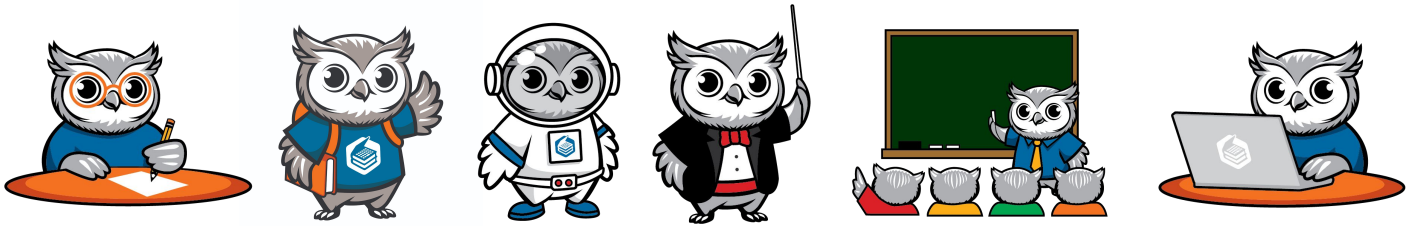
LibreVerse Services: Launchpad



LibreVerse Services:



- ADAPT – Homework & Assessment
- Commons – Catalog, Ordering, Broad Library
- JupyterHub – Embedded Data & Coding
- Studio – H5P Interactives Authoring & Database
- Antecedent Writing – Writing Analytics & Assessment
- Conductor – Project Management & Authoring
- Nova – Template Course Database (Under Construction)
- Support Center



LibreVerse Services: ADAPT – Homework & Assessment

- 300,000+ Open Content Questions in QBank
- “Source” and “Subordinate” courses for Coordination
- Learning Trees: Interactive branched tutorials with grades
- LTI & API access for customized interaction with Campus
- Accessible by initial design
- Audio Recordings, Molecule Structures, Long-form Writing
- Alignment to Frameworks, Question Customization

WebWork

WebWork is an online homework delivery system primarily used for mathematics and science.

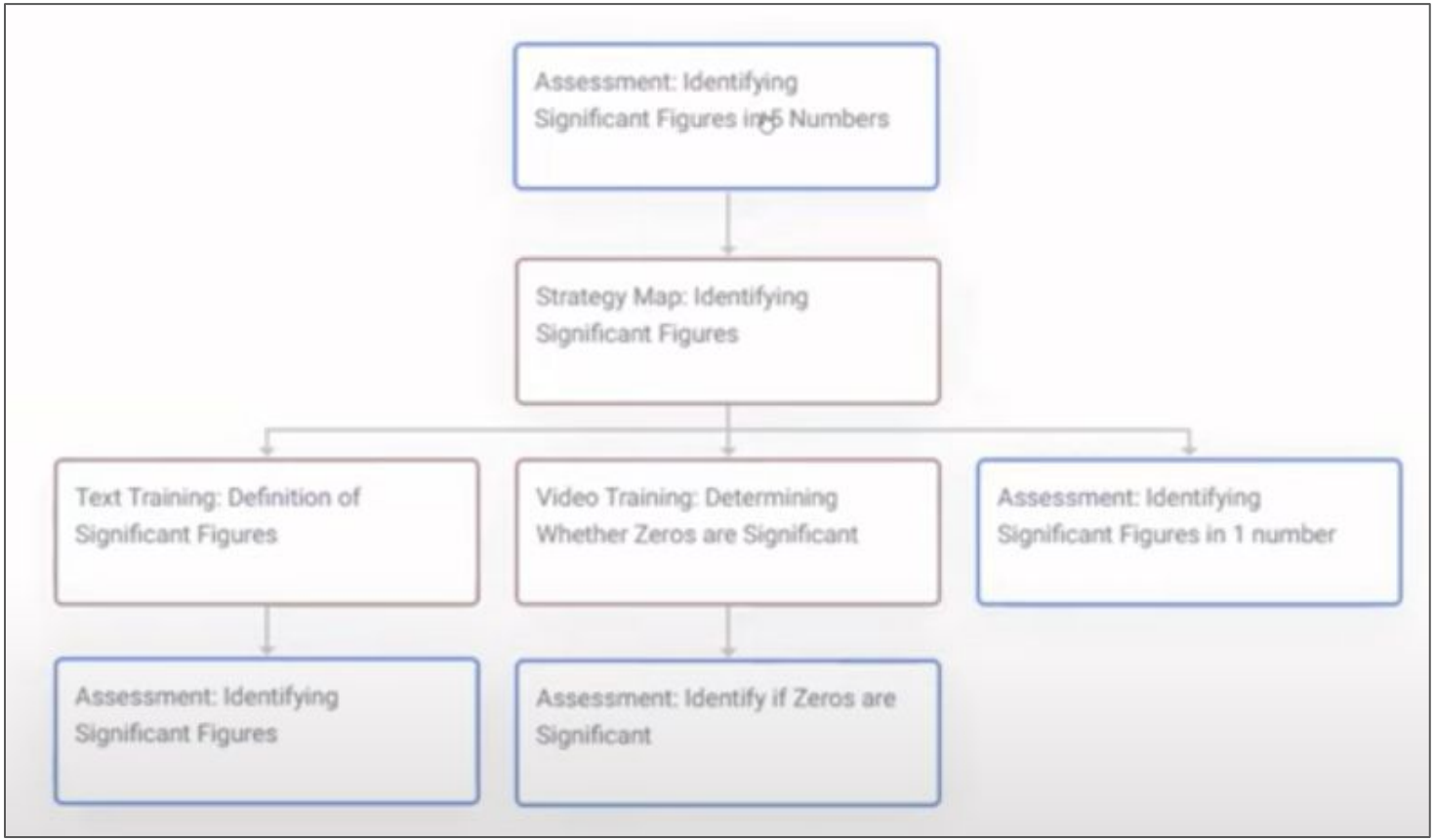
IMathAS

IMathAS is a primarily web-based math assessment tool for delivery and automatic grading of math homework and tests.

H5P

H5P is a free and open-source content collaboration framework based on Javascript.

LibreVerse Services: ADAPT – Learning Trees



LibreVerse Services: JupyterHub – Embedded Data & Coding

Numbers which make the boxplot might be returned with fivenum() command. Boxplot representation was created by a famous American mathematician John W. Tukey as a quick, powerful and consistent way of reflecting main distribution-independent characteristics of the sample. In R, boxplot() is *vectorized* so we can draw several boxplots at once (Figure 4.2.3):

Code 4.2.2 (R): Boxplots

```
boxplot(scale(trees))
```

run | restart | restart & run all

(Parameters of trees were measured in different units, therefore we scale()'d them.)

Histogram is another graphical representation of the sample where range is divided into intervals (bins), and consecutive bars are drawn with their height proportional to the count of values in each bin (Figure 4.2.4):

Code 4.2.3 (R): Histograms

```
hist(salary2, breaks=20)
```

run | restart | restart & run all

(By default, the command hist() would have divided the range into 10 bins, but here we needed 20 and therefore set them manually. Histogram is sometimes a rather cryptic way to display the data. Commands Histp() and Histr() from the asmisc.r will plot histograms together with percentages on the top of each bar, or overlaid with normal curve (or density—see below), respectively. Please try them yourself.)

A numerical analog of a histogram is the function cut():

Code 4.2.4 (R):

```
table(cut(salary2, 20))
```

run | restart | restart & run all

There are other graphical functions, conceptually similar to histograms. The first is *stem-and-leaf* plot. stem() is a kind of *pseudograph*, text histogram. Let us see how it treats the original vector salary:

Code 4.2.5 (R): stem-and-leaf plot

```
stem(salary, scale=2)
```

run | restart | restart & run all

LibreVerse Services: JupyterHub – Embedded Data & Coding

Histogram is another graphical representation of the sample where range is divided into intervals (bins), and consecutive bars are drawn with their height proportional to the count of values in each bin (Figure 4.2.4):

Code 4.2.3 (R): Histograms

```
hist(salary2, breaks=20)
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run | restart | restart & run all

LibreVerse Services: JupyterHub – Embedded Data & Coding

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run | restart | restart & run all

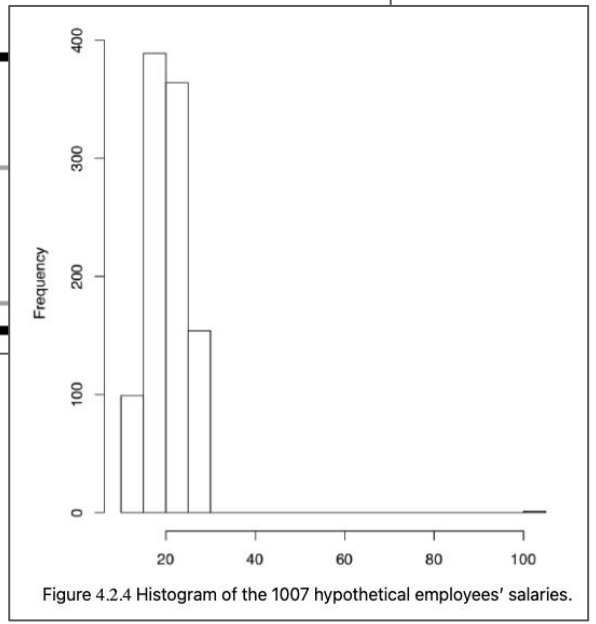
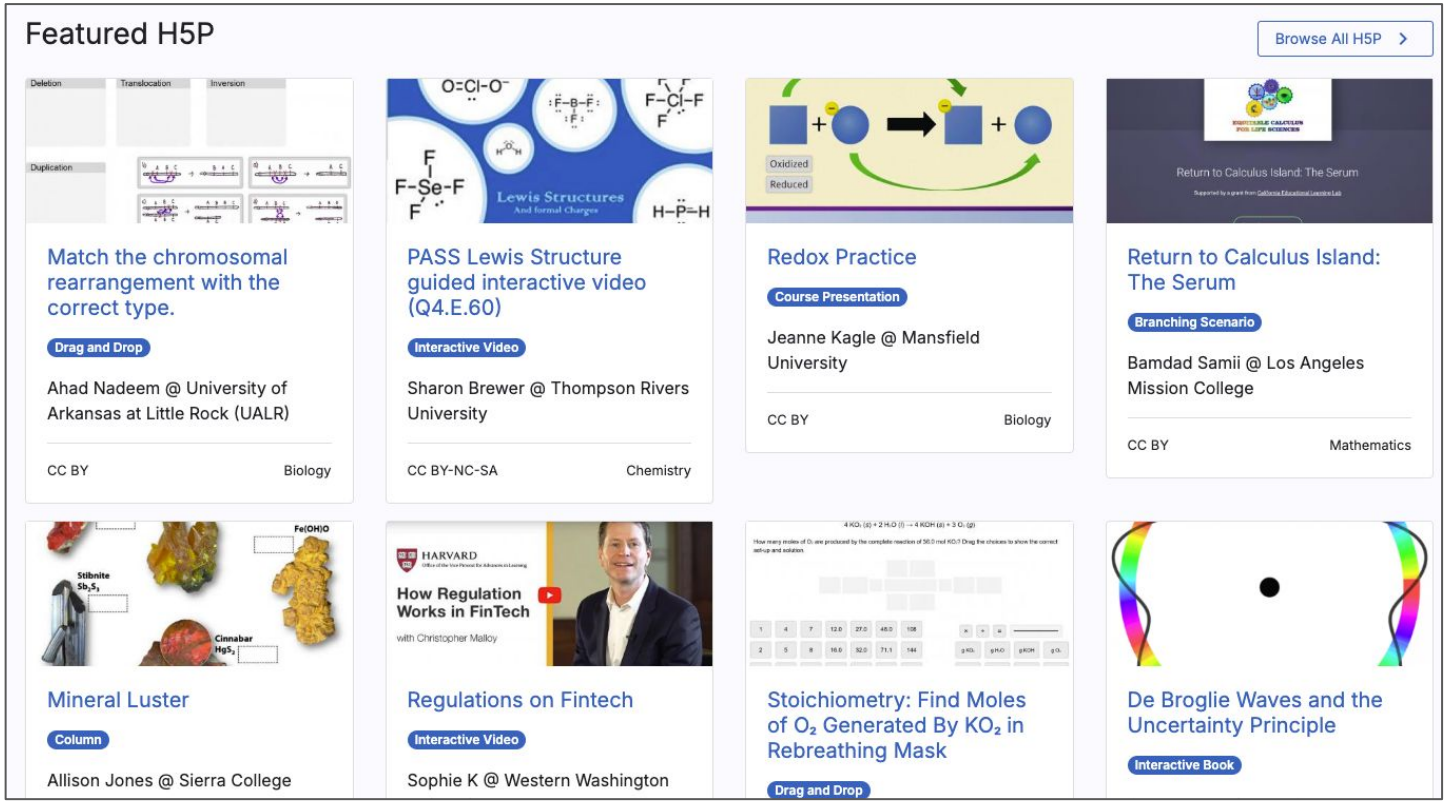


Figure 4.2.4 Histogram of the 1007 hypothetical employees' salaries.

LibreVerse Services: Studio – H5P Interactives Authoring & Database

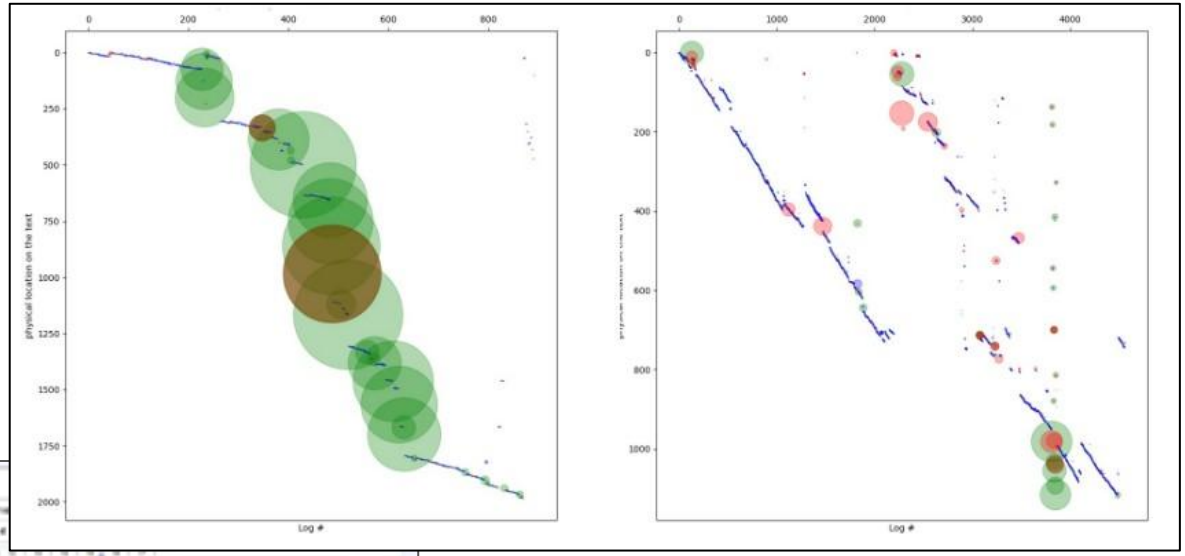


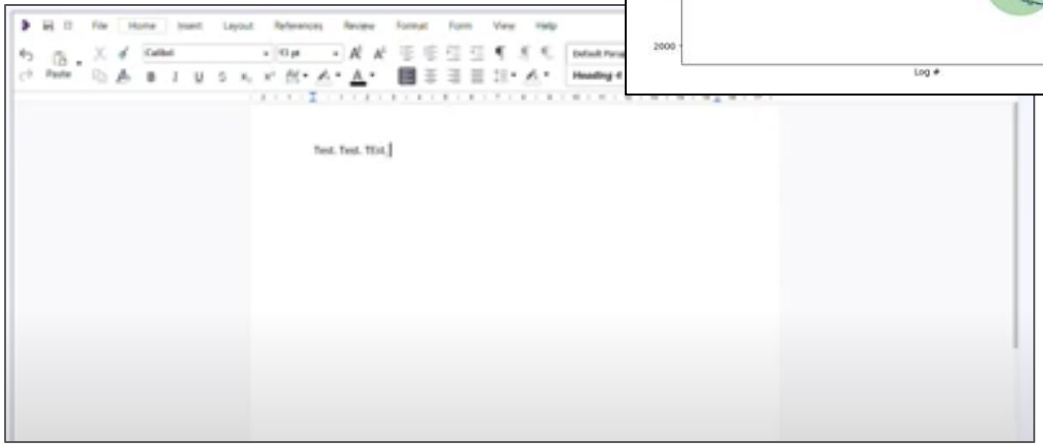
LibreVerse Services: Antecedent Writing – Writing Analytics & Assessment

Antecedent
WRITING ANALYTICS

Antecedent Writing

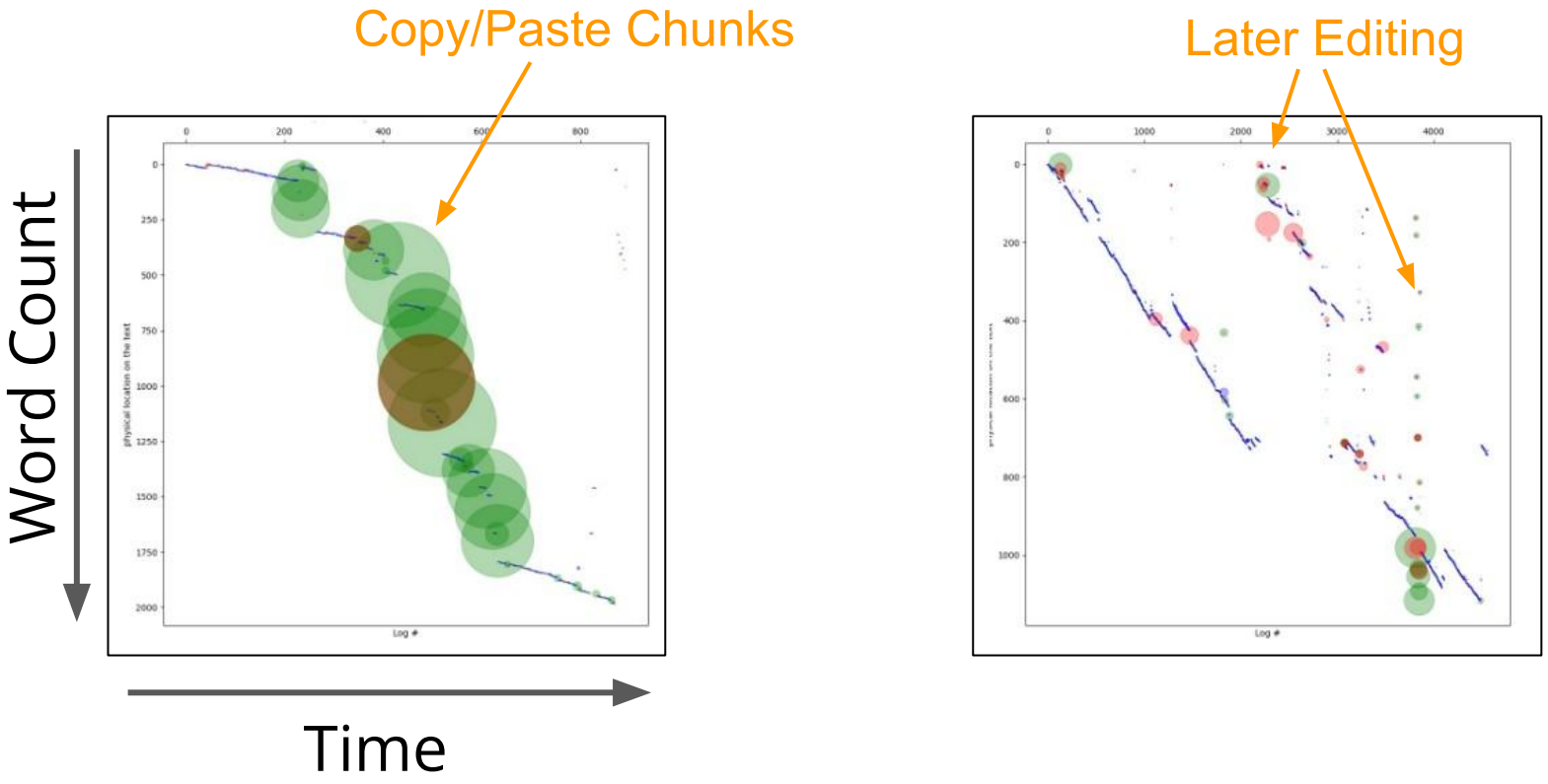
An integrity-enhanced word processor and learning management system.



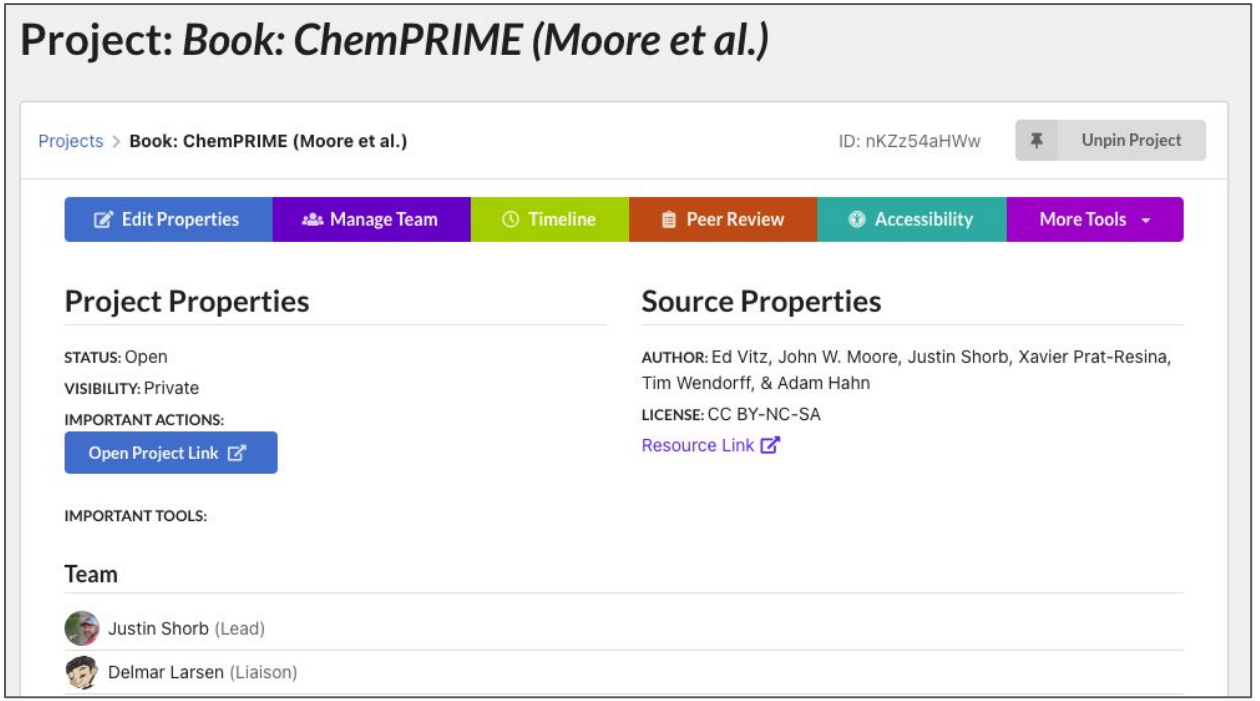


- Focus on Writing Process (Copy/Paste vs Review)
- Inherent Gen-AI use evaluator
- Long-form Writing Process

LibreVerse Services: Antecedent Writing – Writing Analytics & Assessment



LibreVerse Services: Conductor – Project Management & Authoring



- Authoring Teams
  - Tasks
  - Communication
- Remix/Customization
- Peer Review
- Accessibility Tools
- AI for Metadata & Alt Text

LibreVerse Services: Conductor – Project Management & Authoring

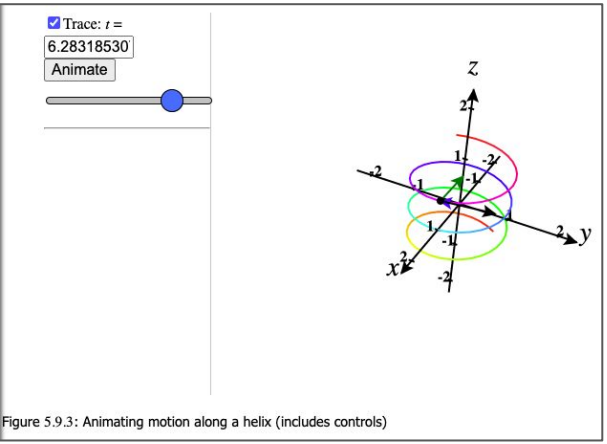
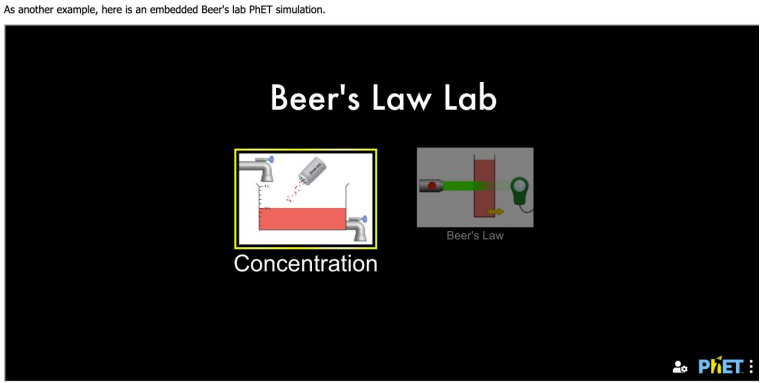
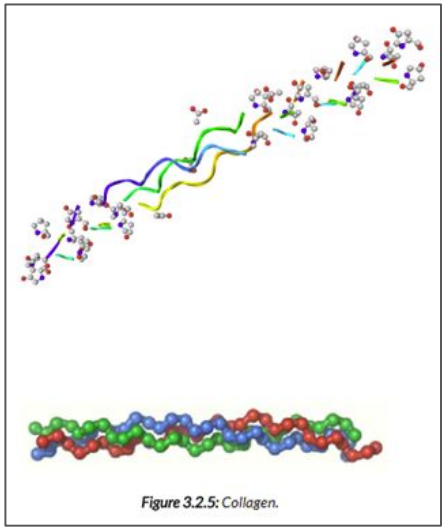


Figure 5.9.3: Animating motion along a helix (includes controls)

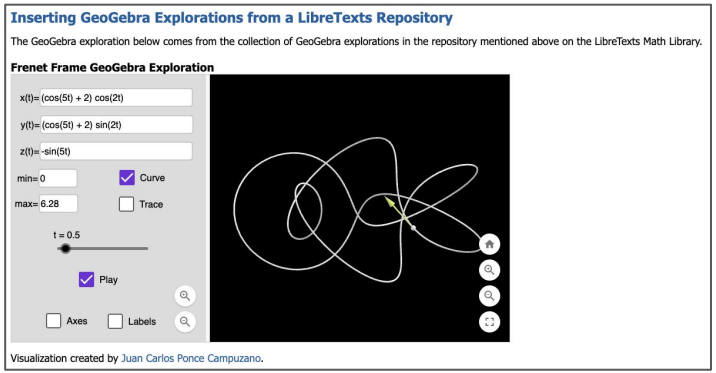
CalcPlot3D



PhET Simulations in-text

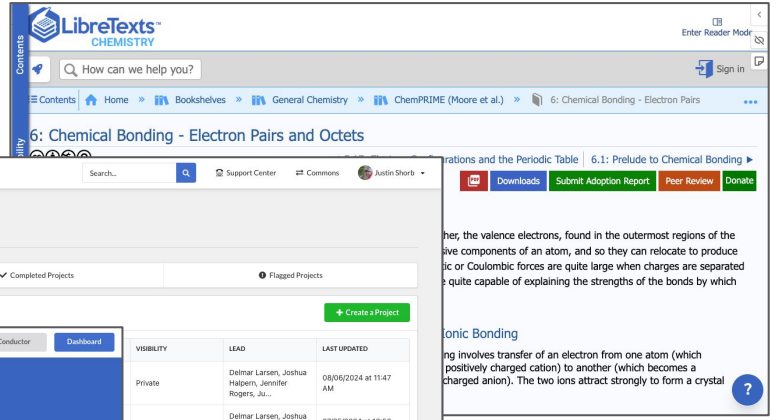


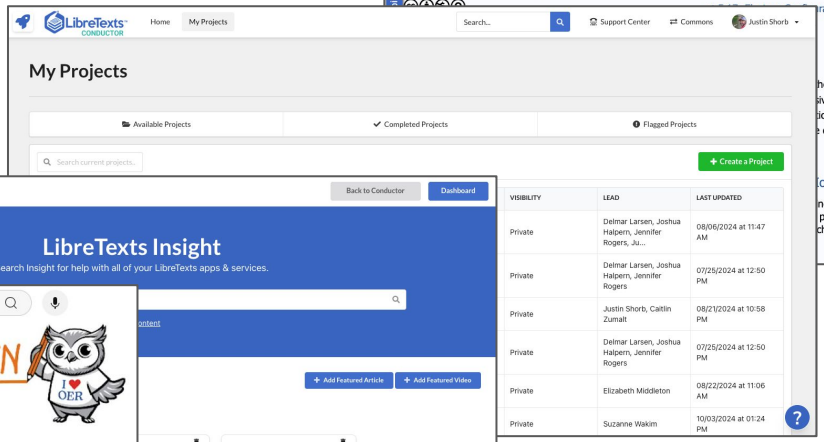
Interactive Structure Viewers

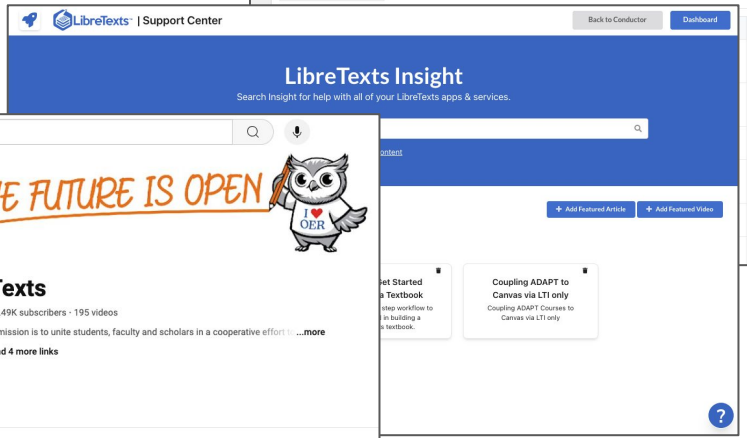


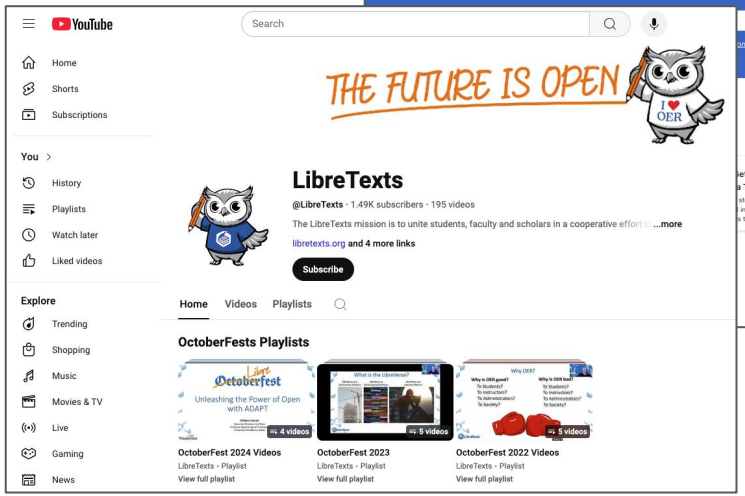
GeoGebra in-text

LibreVerse Services: Conductor – Project Management & Authoring

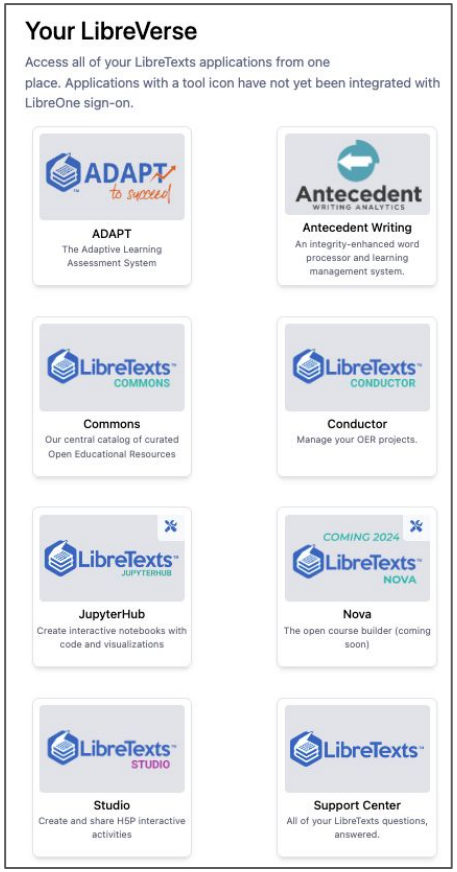




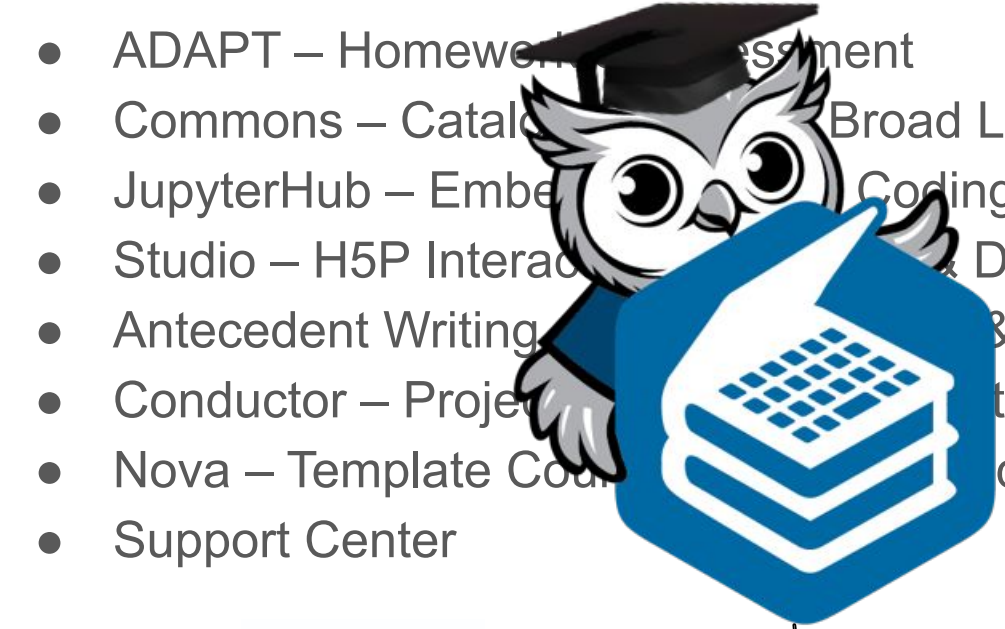


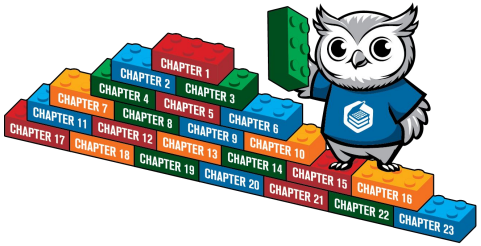


LibreVerse Services: **LibreTexts Academy!**



- ADAPT – Homewe[illegible]ssment
- Commons – Catal[illegible] Broad Library
- JupyterHub – Embe[illegible] Coding
- Studio – H5P Interac[illegible] & Database
- Antecedent Writing[illegible] & Assessment
- Conductor – Proje[illegible]thoring
- Nova – Template Cou[illegible]der Construction)
- Support Center



LibreVerse Services: **LibreTexts Academy!**

- FREE Monthly Webinars (this was #1!)
- LibreFest and OctoberFest
- In-Person or Virtual Workshops
- Cohort Training: Institution, Collaboration, or Discipline-based
- Long-term Mentoring Program: Individual or Group
- Asynchronous Training Modules
- Professional Development Module Development
- Grant-Writing and OER Hosting/Dissemination Collaborations