



Created by Ayub Irawan
from Noun Project

Creating Teaching Materials for Fall 2020 and Beyond

Authoring and Adapting Open Educational Resources
for Colleges and Universities

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Open Educational Resources and Creative Commons Licenses

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From Adopting to Creating OER

Meredith



Created by Argha Triwin
from Noun Project

From adopting to creating

DECISIONS

How to support student learning . . .



From adopting to creating

Environment:
online, blended,
face to face

Timing /
scheduling

My teaching
philosophy and
role as an instructor

DECISIONS

Activities

Learning
outcomes

How to support student learning . . .

Content: texts,
videos, case studies,
lab simulations

Tools for
communication and
sharing

Anita



Created by Anah Toren
from the project

From adopting to creating

Content in support of student learning:

1. What do you like about your current course materials? What do you dislike?
2. What came with your commercial text?
3. What do you absolutely need to be able to teach?
4. What can you reasonable build - with help?
5. What could you ask students to “build together” as part of their learning?



From adopting to creating

ADOPT:

Videos
Podcasts
Articles
Books
Open textbooks
Simulations
Activities
Case studies
Lab exercises
Syllabi



From adopting to creating

1. Curate

2. Adapt

3. Create original content

Anita

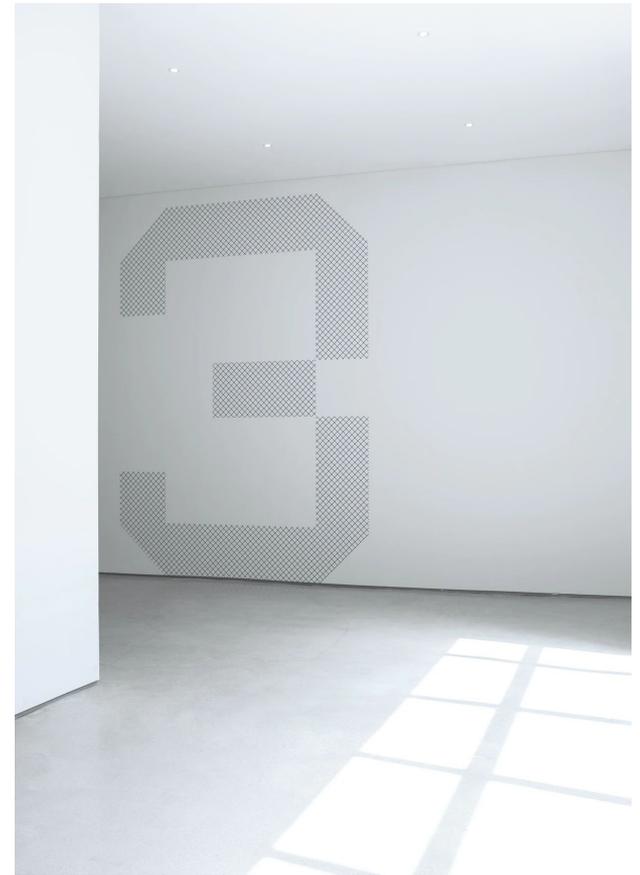


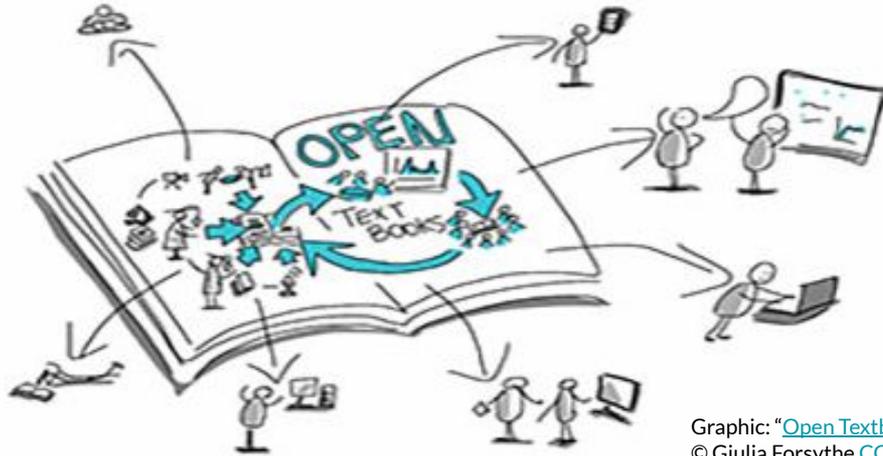
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Tobias van Schneider
<https://unsplash.com/photos/VFvgrELFZhc>
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From adopting to creating

1. Curate



From adopting to creating

1. Curate

VOICES OF VIRGINIA

Voices of Virginia pulls together oral histories from across decades and archives in an all-audio source companion for Virginia's high school and college students. The complete "album" contains dozens of short oral histories from eyewitnesses to key moments in American history from the Civil War to the present. Excerpts are downloadable, accessible by smartphone, and accompanied by a transcript. You'll also find brief historical context adapted from experts at *Encyclopedia Virginia* and *American Yawp*, and classroom tools like discussion questions, activities, and lesson plans that fit Virginia high school standards. By telling the larger national story with narratives from across the Commonwealth, *Voices of Virginia* grounds students in how history guides and is guided by everyday people.

Jessica Taylor, editor
with Emily Stewart

Department of History, with the University Libraries
Virginia Polytechnic Institute & State University

Audio and additional resources:
<https://soundcloud.com/vl-stories/sets/voices-of-virginia>
<http://hdl.handle.net/10919/96912>



An Auditory
Primary
Source
Reader

Anita

TABLE OF CONTENTS

This compilation is aligned and organized according to the History and Social Science Standards for Virginia Public Schools (March 2015). Retrieved January 2020 from:
http://www.doe.virginia.gov/testing/sol/standards_docs/history_socialscience/index.shtml

Section I: Transcripts, context, and discussion questions

Expansion (V.US.6)					
Years	Title	Description	Audio	Page	
1880-1920	Collecting People	Chief Anne Richardson discusses how and why the Roanoke/Annock tribe has moved across Virginia and around the country, and how they maintained community ties across distance.	Richardson_A_VUS6.mp3 Download Listen	2	
1920	My Mommy Voted	Gladys Carter remembers how her mother voted for Democrat James Cox in the 1920 election, the first presidential election after the passage of the nineteenth amendment guaranteeing all citizens the franchise regardless of gender.	Carter_G_VUS6.mp3 Download Listen	4	
Civil War and Reconstruction (V.US.7)					
Years	Title	Description	Audio	Page	
1850s-1860s	No Henry	William West tells the story of how his uncle escaped slavery and found his family after the war.	West_W_VUS7.mp3 Download Listen	6	
1960s	Go Up in There and Hide	Using her grandfather's ghost stories, an unidentified woman discusses the cave system in Franklin County, where during the Civil War deserters supposedly took shelter.	Unidentified_VUS7.mp3 Download Listen	8	
1860s	You Better Say It Right Now	Haywood Blevis performs a happy tune on the piano and explains that it played while deserters were executed.	Blevis_H_VUS7.mp3 Download Listen	10	

<http://hdl.handle.net/10919/96912>

"You Better Say It Right Now" in Grayson County, 1860s

Standard: V.US.7

Audio: [Blevis_H_VUS7.mp3](#) [Download](#) [Listen](#)

Summary: Haywood Blevis performs a happy tune on the piano, and explains that it was the song played while deserters were executed.

Repository: Fernum College, Digital Library of Appalachia

Transcript:

HB: The first tune will be General Grant's Grand March.

(piano plays)

HB: There was a deserter. A deserter is a man that quits fighting. He don't wanna fight. He ain't gonna fight. He left the Civil War, you know and come back into the edge of North Carolina. And there was some pieces played on the band there and my grandfather taught me to play them. And they played a slow piece when they got him tied to a post. They sent the men down here after him and brought him back and when they got him back they got a locust post set and tied him to that post. And they had twelve guns setting in the corner of an old crooked rail fence and the of captain ordered twelve men to go in that corner of that fence and get 'em a gun. There were six loaded guns and six empty and they played a piece on the band then and says... the of captain says to him... says, "Now, if you got anything to say, you better say it right now while these men play this piece here." And of course, they went to playing it and here's the way that piece went...

(piano plays)

Context:

The American Civil War was fought from 1861 until 1865. It began after Virginia and ten other states in the southern United States seceded from the Union following the election of Abraham Lincoln as U.S. president in 1860. Worried that Lincoln would interfere with slavery and citing states' rights as a justification, Southern leaders established the Confederate States of America with Jefferson Davis as its president and Richmond as its capital.

Virginia was a significant battleground for both Union and Confederate forces. It contained the Confederate capital, the capture of which would be an important symbolic victory for Union forces. For Confederates, Virginia was critical to defend because it was home to valuable industry, mining, and food production. At the same time, its geography—mountains in the west, and rivers that flowed west to east—made its defense somewhat easier. Some Virginia families were split between North and South because of the Civil War. Even when families didn't split apart, life at home was difficult. In fact, the distinction between the home front and the front lines was not always clear.

Bio:

Haywood Blevis (1906-1980) was the son of a banjo player in Galax, Virginia. He worked as a farmer, millworker, and musical instrument repairman and tuner during his lifetime. His earliest memories are of his grandfather, who told him stories of his time in a Union prison camp, and taught him how to play piano tunes he learned during the Civil War. Discussion questions:

1. Brainstorm personal or ideological reasons that led soldiers to desert the Confederacy during the Civil War.
2. Explore other Civil War songs such as "Lena," "Home Sweet Home," and "Just Before the Battle, Mother." How do these song lyrics represent the Civil War soldier experience?

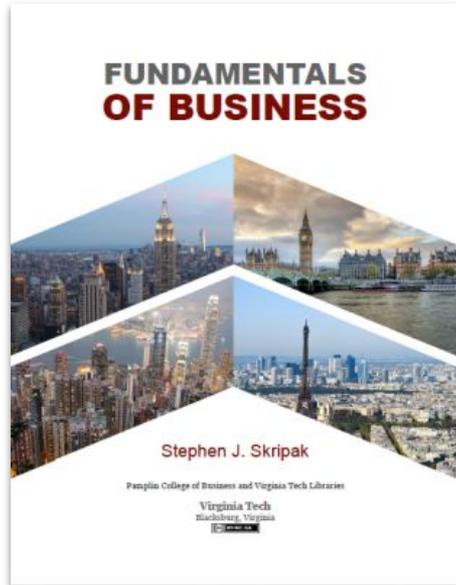
10 VOICES OF VIRGINIA | An Auditory Primary Source Reader



Created by Anna Treven
from West Project

From adopting to creating

2. Adapt



17 chapters

372 pages ⁽²⁰¹⁸⁾
440+ pages (2018)

Free online

(2016) <http://hdl.handle.net/10919/70961>

(2018) <http://hdl.handle.net/10919/84848>

Editable ([CC BY NC SA](#))

Print options



Created by Argha Triwin
from the Project

From adopting to creating

3. Create

- [The Normal Canine Video Series](#)

Licensed: CC BY 4.0. Four videos and transcripts demonstrate methods for examining a canine. Disclaimer: The information in this video is intended for educational purposes only and is not meant to take the place of veterinary care or services your canine may need. Please see your veterinarian about any health concerns.



The Normal Canine:

Head and Neck Exam

with Dr. Michael Nappier
Assisted by Courtney Snead

Virginia-Maryland College of Veterinary Medicine &
University Libraries at Virginia Tech

August 2017



<http://doi.org/10.7294/W4M61HDZ>

From adopting to creating

3. Create



Virtual Reality Dog

<https://guides.lib.vt.edu/vetmed/vranatomy>

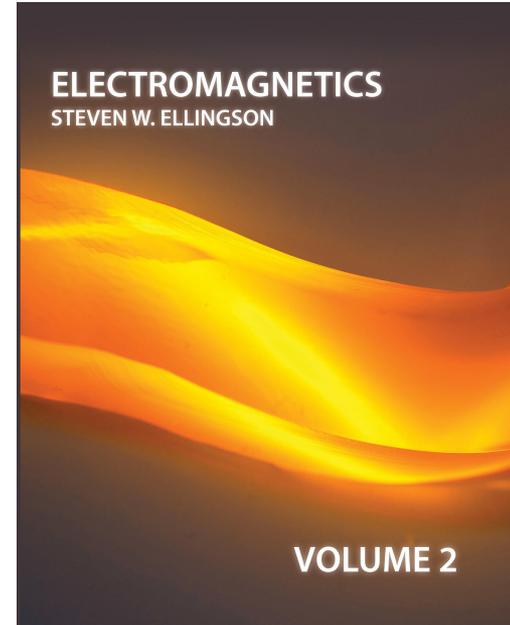
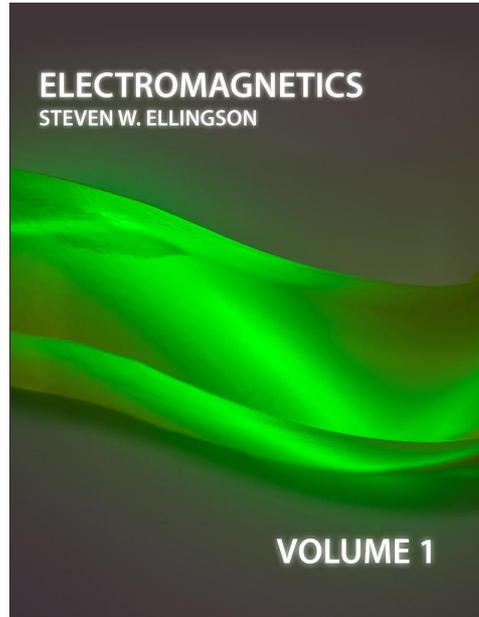


From adopting to creating

3. Create

Includes:

Screen-reader friendly PDF
Slide decks of figures
Problems & solutions
LaTeX sourcefiles



<https://www.faculty.ece.vt.edu/swe/oem>

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Building Successful Open Textbooks Projects

Karen



Created by Arlyn Brown
from the project

Building a program / Building community

- Start small
- Assess your program capacity
- Identify partners
- Identify partnerships
 - OTN Co-Op
- Define expectations
- Define roles
- Community of Practice



What do I mean by open textbooks?

- Structured publications with consistent pedagogical elements
 - Openers: Overviews, key terms, case studies...
 - Closers: Reflective questions, quizzes, summaries...
- Not monographs
- Complete portable files
- Openly licensed to allow for editing



What do I mean by publishing?

- Faculty focus on the writing and pedagogy, not the formatting or tool
- Structured documents that can be easily updated
- Contributions from professional copy editors, proofreaders, illustrators, designers and other publishing experts
- High-finish printed product, plus additional file types
- Potentially create an imprint or brand for publishing services



Open Textbook Network Publishing Co-Op

Co-op is grounded in professional development and community. It's a flexible publishing model that features...

- Community practice: Google Group, Tea Time, orientation which leverages everyone's experience
- Training in publishing workflows: Pub 101
- Press services: Editing, design and production
 - Customized project support and consultation
 - Guidelines and templates: <https://canvas.umn.edu/courses/106630>



Chapter Eleven

STATISTICS: MAKING SENSE OF THE NUMBERS

Data do not give up their secrets easily. They must be tortured to confess.

Jeff Hopper

WHAT NUMBERS CAN TELL US

Here is a chart that seems to say quite a lot.

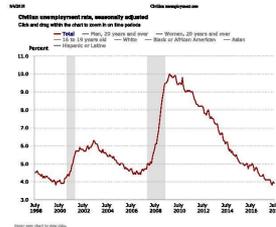


Fig. 4. Civilian Unemployment Rate
Retrieved from
<https://www.bls.gov/charts/employment-situation/civilian-unemployment-rate.htm#>

CHAPTER ELEVEN

Statistics

Making Sense of the Numbers

Data do not give up their secrets easily. They must be tortured to confess.

—JEFF HOPPER

What Numbers Can Tell Us

Here is a chart that seems to say quite a lot.

After the disastrous recession of 2008, the story about jobs in the United States seems rosy indeed. The trend from July 2010 until July 2018 shows a dramatic decline in the national unemployment rate. As I write these words in the summer of 2018, "job openings hit record highs and the unemployment rate dipped to the lowest level in decades." Ordinarily all this would have resulted in higher wages for working men and women and an increase in their standard of living. This is not, however, how it feels to many working Americans. Perhaps the following chart gives a more accurate account of what is really going on.

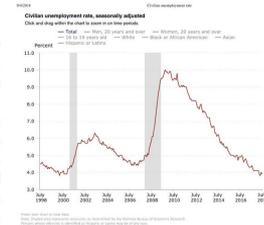


FIGURE 4. Civilian unemployment rate
Retrieved from <https://www.bls.gov/charts/employment-situation/civilian-unemployment-rate.htm#>.

Planning OER Creation



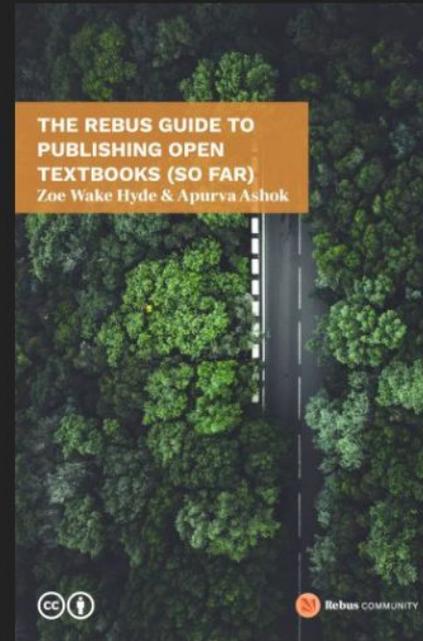
The Rebus Guide to Publishing Open Textbooks (So Far)

Apurva Ashok and Zoe Wake Hyde

The Rebus Guide to Publishing Open Textbooks (So Far) is a living repository of collective knowledge, written to equip all those who want to publish open textbooks with the resources they need. Representing two years of collaboration, innumerable conversations and exchanges, and a wide range of collective knowledge and experience, the Guide is a book-in-progress and will evolve and grow over time. [Join the project discussion and help shape its development!](#)



READ BOOK



Download this book



Narrow your focus

- Range of possibilities for OER: replace a course, write/remix a textbook, create assignments, curate reading lists, etc.
- Varying timeframes
- Planning goes a long way
- [Quick project scoping template](#)
 - Who is your audience?
 - What are your needs?



curiosity by Iconathon, US. In the [Redefining Women Collection](#). In the Public Domain.



Identify support and resources

- People:
 - We are not in this alone
 - Creation can be collaborative
 - Support and help at different levels
 - Locally: in department, on campus, in state/province
 - Globally: via the [Rebus Community](#), Open Education groups, [Creative Commons chapters](#)
- Content:
 - No need to reinvent the wheel
 - Search for existing content to repurpose



Select your tools

- No crash course necessary for publishing tools
- Formats matter: web, offline, editable
- [Pressbooks](#) lets you quickly piece together content in easily shareable ways
 - Text and more!
 - Test it out via [Open & Online](#)
- Rebus Community offers publishing guides and a web-software to coordinate, communicate, and be public about your work



Rebus COMMUNITY

PB PRESSBOOKS **EDU**

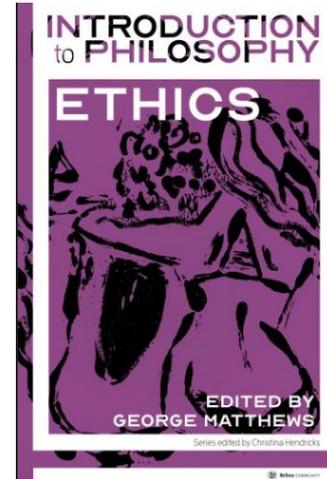
Apurva



Created by Apurva Prasad
from the Rebus Project

Example Template: Introduction to Philosophy

- Who is the resource's intended audience?
Students who have not taken any philosophy courses before, and are entirely new to the discipline. Some students in introductory-level philosophy courses may of course have done previous work in philosophy, but the book should not assume any prior knowledge and are written in an accessible way for those unfamiliar with philosophical terms and traditions.
- Describe the project briefly.
This open textbook looks to provide students with an introduction to the canon of Philosophy, giving them the basic framework needed to pursue higher-level courses. It will begin with 1 book on Ethics. The project can branch into other philosophical sub-disciplines in future.
- What is a realistic timeline by which the resource should be ready?
I need this book ready by Fall 2020.
- What tools and resources do I have?
I have a project homepage on Rebus Community, an editorial team, my local librarian's support, book cover and a Pressbooks book set up. I've identified 2 other existing Philosophy OER to draw on.
- What tools and resources do I need?
I need more authors and a copyeditor for my content.
- How will the resource be licensed?
The resource will be licensed CC BY to permit the widest range of uses.



Apurva

Book cover from [Introduction to Philosophy: Ethics](#), licensed CC BY. Designed by Jonathan Lashley. Cover art by Heather Salazar.

Coordinating OER Creation

Amanda



Created by Amy Brown
from the project

Step 1. Identify what exists

Subject	OER Titles	Links
First-year English	Writing for Success (BCcampus) English Literature: Victorians and Moderns (BCcampus)	https://open.bccampus.ca/browse-our-collection/find-open-textbooks/?uuid=be97a141-078a-46e4-a66b-e287b2b25c98&contributor=&keyword=&subject= https://open.bccampus.ca/browse-our-collection/find-open-textbooks/?uuid=f373dca8-65c1-4a28-974a-035fe681f15a&contributor=&keyword=&subject=
Stats	Introductory Statistics (OpenStax or Saylor)	https://open.bccampus.ca/browse-our-collection/find-open-textbooks/?uuid=1a2a3483-52e3-47b0-b9d9-a4934aceec4d&contributor=&keyword=&subject=
Calculus	Calculus (OpenStax)	https://open.bccampus.ca/browse-our-collection/find-open-textbooks/?uuid=51e22b7b-8964-4b5e-a741-39c9547414f3&contributor=&keyword=&subject=
Math	Algebra – Elementary, Intermediate, College (OpenStax)	https://open.bccampus.ca/browse-our-collection/find-open-textbooks/?uuid=153fc184-0b98-488e-b8ee-4c59567bb125&contributor=&keyword=&subject=
Biology	Concepts of Biology – 1 st Canadian Edition (OpenStax/BCcampus)	https://open.bccampus.ca/browse-our-collection/find-open-textbooks/?uuid=a2086095-a679-4e33-b0dd-f5b96192fba1&contributor=&keyword=&subject=

Amanda



Created by Argha Triwin
from the project

Step 2. Review

Can you adopt as is?

Yes? Great, add the link to your course and use.

No? Time to start reviewing. [B.C. Open Textbooks Review Rubric](#)
[\[Word file\]](#) (CC BY)

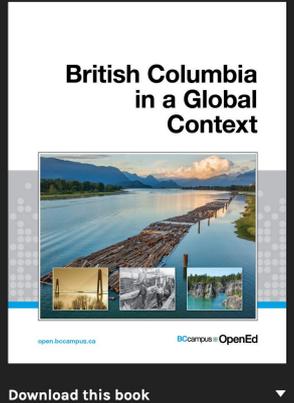
- Identify what needs to be changed, removed or added

Step 3. Find a team

British Columbia in a Global Context

Geography Open Textbook Collective

This first-year geography textbook takes a holistic approach to geography by incorporating elements of physical, human, and regional geography, as well as bringing in methods and perspectives from spatial information science. This textbook applies a fundamental geographical approach to understanding our globally changing world by looking at local processes, which are linked to larger global processes and events. The textbook includes numerous case studies specific to British Columbia as well as a number of suggested service learning activities.



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<https://opentextbc.ca/geography/>

<https://opentextbc.ca/introtourism/>

The Ancient and Medieval World

  Creative Commons Attribution

READ BOOK



Download this book

<https://pressbooks.bccampus.ca/ancientandmedieval/>

Introduction to Tourism and Hospitality in BC

Morgan Westcott, Editor

This textbook is an introduction to the tourism and hospitality industry in British Columbia, and is written with a first year college and university audience in mind. It is a collaborative work with input from educators, industry leaders, employers, and past graduates of BC's tourism and hospitality management programs. All chapters have been reviewed by experts in the field. Each chapter is organized thematically moving from a global, then national, and finally provincial context. Chapters contain "Spotlight On" boxes that highlight an organization, business, or

Introduction to Tourism and Hospitality in BC



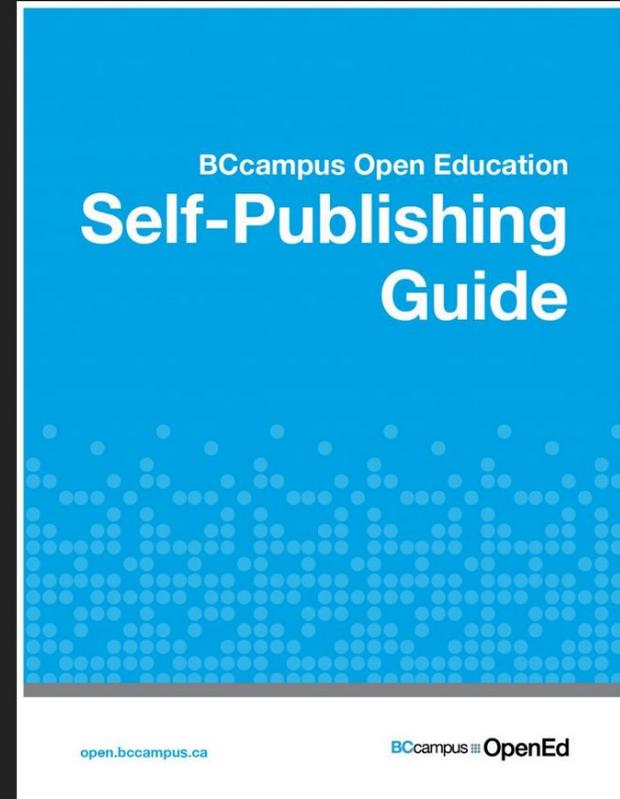
Download this book

Self-Publishing Guide

A reference for writing and self-publishing an open textbook

Lauri M. Aesoph

The BCcampus Open Education Self-Publishing Guide is a reference for individuals or groups wanting to write and self-publish an open textbook. This guide provides details on the preparation, planning, writing, publication, and maintenance of an open textbook.



[Download this book](#) ▼



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Where Does OER Expertise and Source Material Come From

Meredith



Created by Argha Triwin
from Noun Project

Very quick copyright basics (more at: auw.cl/oer)

- Broad subject matter: “original works of authorship”
- Automatic protection and long duration
- Closed list of reserved rights
- Even then, limited protection -- idea/expression
- More limits - specific exceptions (108/110)
- Supplemented by general, flexible fair use doctrine



OER creation is not a closed book test

- Idea/expression - structure, theories, methods
- Duration - most of recorded history
- Open licensed - OTL, CC Search, Wikimedia, auw.cl/oer
- Closed resources - classroom and transformative uses

Will

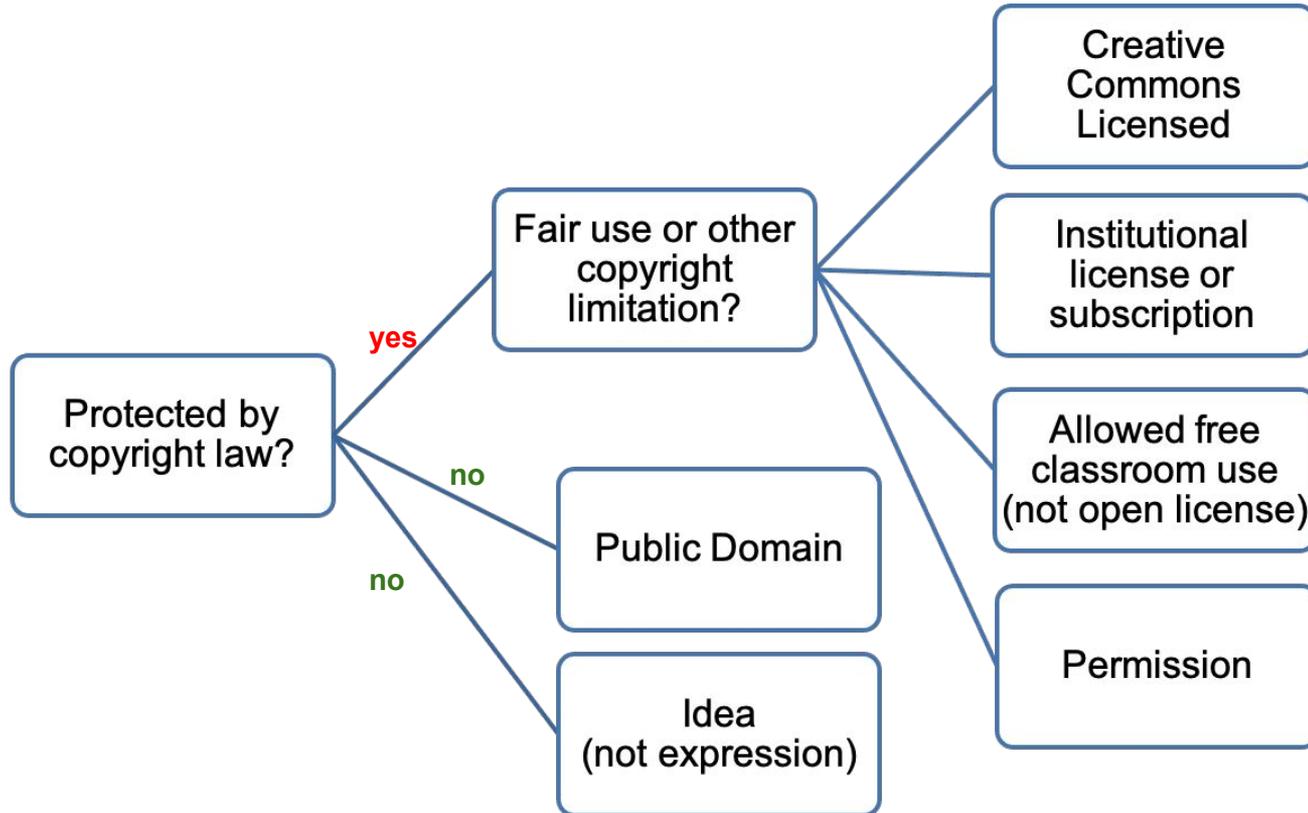


Paysage avec Orion aveugle
cherchant le soleil (1658)



Created by Joseph Beuven
from the project

Copyright, Fair Use & Creative Commons Licenses



Fair use: two core questions

1. Are you doing something new or different (something “transformative”) with the material?

AND

2. Is the amount you are using -- whether a part or the whole -- appropriate ?

If yes to both, it’s unlikely that you’ll be providing a “substitute” for the copyright work in its intended market - which is the only pocketbook issue relevant to fair use.



Examples of fair use in action

- Subjecting works to critique and analysis
- Using works to illustrate arguments
- Copying works to promote accessibility
- Providing texts for language learning
- Promoting media literacy
- Developing new educational materials
- Employing “orphan works”
- And many more...



Relying on fair use to create OER

A few examples include:

- Excerpting a passage for close reading (glossing, discussion questions, language learning, etc)
- Including an image for illustration of a teaching point or documentation of an historical event
- Including an image or a text from source material for student activities or assesment



How to implement

Ask:

- What is my purpose?
- Is it transformative? (How is it different than the purpose of the original?)
- Does it substitute in the market for the original?

Document:

- What's excluded from the open license
- Identify the 3rd party materials
- What your reasoning was (doesn't have to be in the resource itself)



Fair use caution flags in education

- Uses designed mainly to set a mood or grab attention
- Uses that aren't proportionate
- Uses of commercial educational materials
- And . . .



Fair use in context

Everyone does it -- from journalism and big software to Hollywood & publishing

- That includes the textbook and testing industry!

But they don't always acknowledge it! In fact, they

That makes things hard



Fair use in context -- the background

Everybody's doing it -- from journalism and big software to Hollywood & commercial publishing.

★ That includes the textbook and testing industries, by the way.

But they don't always acknowledge it. In fact, information businesses often deliver mixed messages about fair use where their own stuff is concerned.

That can make things hard for the rest of us!

Peter



Fair use in context -- the case law

The courts have been helpful here -- especially since 1994 -- in exploring the some of the domains in which fair use operates:

- Parody and remix (the old standards)
- "Appropriation" art
- Scholarship
- Programming and database development
- And many more

Peter



Fair use in context -- the Best Practices approach

Since 2005, we've been helping practice communities take charge of fair use -- see [Codes of Best Practices](#) for more. A few examples:

- Documentary Filmmakers
- K-12 Media Literacy Teachers
- Poets
- Communications Scholars
- Research Libraries
- Artists, Art Historians, and Museums

These are guidance documents by and for practitioners, not “guidelines” handed down to them.



Existing different purpose OER

- Lots of great material (see auw.cl/oer)
- Localize/customize
- Borrow portions (images, charts, etc.) for a new project

PROJECT MANAGEMENT FOR INSTRUCTIONAL DESIGNERS

ABOUT PM4ID

Project Management for Instructional Designers (PM4ID) is – as the name suggests – a book about project management tailored specifically for instructional designers. This book is a revise / remix of a pre-existing, openly licensed project management textbook which was donated to the commons by a benefactor that desires to be attributed as Anonymous.



PM4ID includes many new features and improvements to the original book, including:

- Alignment of book chapters with the PMBOK, which supports readers in preparing for the Project Management Professional certification,
- A series of video cases of project managers working in the instructional design area, integrated into every chapter,
- Multiple versions of the book, including HTML, PDF, ePub, Kindle, and a text-to-speech mp3 audio version of the book,
- New examples written specifically for readers coming from the instructional design perspective,
- and more.

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- 2. Project Profiling
- 3. Project Phases and Organization
- 4. Understanding and Meeting Client Expectations
- 5. Working with People on Projects
- 6. Communication Technologies
- 7. Starting a Project
- 8. Project Time Management
- 9. Costs and Procurement
- 10. Managing Project Quality
- 11. Managing Project Risk
- 12. Project Closure
- Download
- Glossary

Will



Created by Andy Brown
from the Project

Libraries can be your best partner

- Course design
- Finding open materials
- Copyright and open licenses
- Advocacy
- Accessibility
- Making your work discoverable
- Community of practice
- Much, much more . . .

Will

[View all Teaching Support](#)

Need Help?

[Email us →](#)



Shaun Bennett



Anne Burke



Will Cress



Amanda DeHill-Moore



Alison Edwards



Hillary Fox



Hannah Rainey



David Tully

Open Education

The NC State University Libraries is committed to fostering change in the current textbook publishing environment. Librarians can partner with faculty members on licensing resources, using digital repositories, and creating and publishing their own open educational resources.

About Open Educational Resources

[What are Open Educational Resources?](#) +

[Why should I consider Open Educational Resources?](#) +

[Where can I find Open Educational Resources?](#) +

Funding Sources

NC State University Libraries awards grants to faculty to adopt, adapt, or create free or low-cost alternatives to expensive textbooks.

All instructors are eligible to [apply for Alt-Textbook Grants](#).

- [Examples of Alt-Textbook Projects](#).
- [Learn more about the Alt-Textbook Project](#).

All instructors are eligible to apply for [Open Textbook Grants](#).

- [Review an Open Textbook](#)
- [Adapt/Adopt an Open Textbook](#)
- [Department/Group Adoption](#)

Open Pedagogy

Open pedagogy is a high-impact practice that empowers students by providing them an opportunity to engage in information creation through the use of teachable assignments.

Important Dates

May 9 - Bookstore Textbook Adoption Deadline (Fall 2020 semester)

Upcoming Workshops

MAY 1 Open Cafe Express: Discovering Open Textbooks
12:30pm to 1:00pm

MAY 4 Open Cafe Express: Making Your Online Course Even Better with OER
10:30am to 11:00am

[View all workshops →](#)

Stories



Don't throw away that assignment! Students improve Wikipedia through WikiEdu



Created by Abby Trevin
from the project

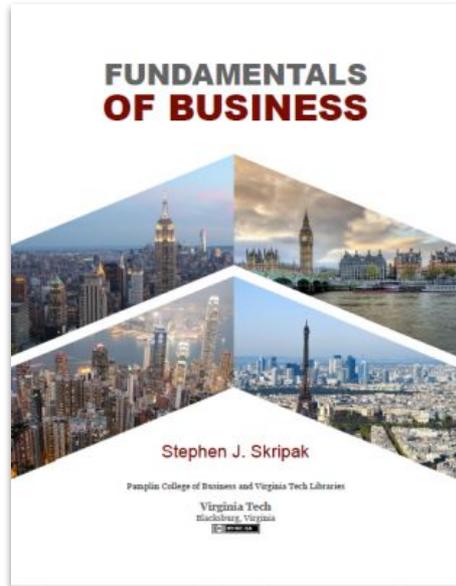
What Those Projects Might Look Like

Will

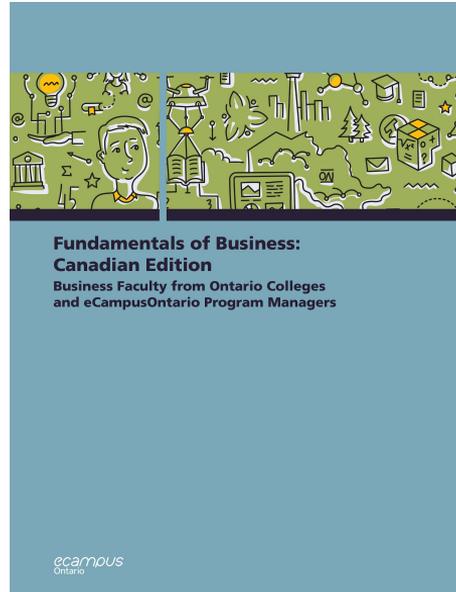
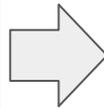


Created by Ayub Khan
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Localization/Customization



<https://otn.pressbooks.pub/fundamentalsofbusiness/>



<https://ecampusontario.pressbooks.pub/businessfundcn>

Anita/Amanda



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Assessment

Amanda



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Keep things simple

- Consider smaller projects besides full textbook replacements
- Think about your students' needs and what they can handle
- Also look into your own capacity and needs
- Simpler can sometimes be better!
- Improvements can be made to OER over time

What's Coming for Fair Use Best Practices

Meredith



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Questions and Discussion

Meredith



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Join us on Fridays for the rest of the spring:

auw.cl/oer

Next Week:

“Universal Design - ensuring equitable access to education in the transition to online teaching and learning for students with disabilities and vulnerable students”

