

The Innovators: How educators are using open technology to create great learning experiences

@lucwrite
@edtechfactotum
@maryeburgess
(Regrets)
@BCcampus

BCNET Conference 2018



BY

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Agenda

- The 5 Rs
- BCcampus Open Infrastructure
- Why open technologies are important?
- Other tools being used in BC Post Sec



The Enabling Rs






open = free + permissions

Free, unfettered access
perpetual, irrevocable



BCcampus OpenEd Infrastructure

This site supported by:  BCcampus

SOL*R
Shareable Online Learning Resources

Dashboard

Search

Open Textbooks

Provincial Government Creative Commons Resources

Browse all Creative Commons Resources

Browse By Participating Institution

By Field of Study

Quick search

Q

Recent contributions

Environmental Biology
about 5 hours ago
Environmental Biology enables students to develop a nuanced understanding of today's most pressing environmental issues. This text helps students grasp the scientific foundation of these issues so that they can better understand the world around them and their impact upon it. This open textbook covers the most salient environmental issues, from a biological perspective. The text is designed for an introductory-level college science course. Topics include the fundamentals of ecology, biodiversity, pollution, climate change, food production, and human population growth.

British Columbia in a Global Context
about 22 hours ago
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. For example mining and its effects are a global issue and we can see how these unfold in BC. A further example is the recent apology to First Nation peoples on the residential school treatment, as similar events occur in the US, Ireland and Australia. Processes of urbanization, a phenomenon which people all over the globe are experiencing, can be seen in Vancouver with our discussion of the city's development. Geography students, indeed all first year students, need to be able to critically assess their own contexts and environments in order to properly engage with our continually globalizing world.

Good Corporation, Bad Corporation: Corporate Social Responsibility in the Global Economy
about 22 hours ago
This textbook provides an innovative, internationally-oriented approach to the teaching of corporate social responsibility (CSR) and business ethics. Drawing on case studies involving companies and countries around the world, the textbook explores the social, ethical and business dynamics underlying CSR in areas such as: global warming,

Browse

- Open Textbooks (242)**
Browse all resources which have been contributed as an Open Textbook
- Provincial Government Creative Commons Resources (12)**
Browse all resources in a growing collection by the Province of British Columbia and released under a Creative Commons license.
- Browse all Creative Commons Resources (814)**
Browse all resources which have been contributed under a Creative Commons Attribution-ShareAlike 2.0 Canada License.
- Browse By Participating Institution (1,099)**
Find learning objects, courses, tools, and technologies by the BC institutions that developed them.
- By Field of Study**
Find learning objects, full courses, tools, and technologies by Field of Study as described by the BCCAT Education Planner website (<http://www.educationplanner.ca/>)

Help

BCcampus OpenEd Infrastructure

The screenshot displays the BCcampus OpenEd website interface. At the top, a navigation bar includes the BCcampus logo, a 'SOLR REQUEST' button, and a 'LOG OUT' button. Below this, a secondary navigation bar lists various links: About, Festival of Learning 2018, Pressbooks Support, Resources, Calls for Proposals, Projects, and BC OpenEd Librarians. A third navigation bar contains links for Student Advocates and Contact/Help. The main content area features three large, light blue boxes with the following text:

- STUDENTS | FACULTY**
Find
a Textbook
Search our collection of open textbooks for a [peer-reviewed](#) book in your discipline. Hundreds of B.C. Faculty are learning how to customize open textbooks that also save their students money. See the Resources and Contact dropdown links above for help.
- FACULTY**
Adopt
a Textbook
Let us know if you have [adopted an open textbook](#). Or, if you are looking for resources on how to adopt a textbook, we have some resources to help.
- FACULTY**
Adapt
a Textbook
Take advantage of the open textbook [Creative Commons license](#) and customize an open textbook to fit your specific needs. See [Support for Adapting an Open Textbook](#) for a list of resources to help you modify an existing open textbook.

At the bottom of the page, a summary bar displays the following statistics:

- Student Savings: **\$7,255,903 - \$8,190,076**
- Adoptions: **1912**
- Participating Institutions: **40**

A link for [More Stats...](#) is provided below the summary bar.

BCcampus OpenEd Infrastructure

BCcampus Survey Tool

Tutorials Surveys Active surveys clalonde

Reviews of Open Textbooks (338956)

Settings Structure

Stop this survey Execute survey Tools Survey participants Responses

Survey summary : Reviews of Open Textbooks (ID 338956)

Survey URL:

English (Base language): <http://survey.bccampus.ca/index.php/338956?lang=en>

End URL: -

Number of questions/groups: 33/12

Text elements:

Description: Quality assurance is necessary for making open textbooks a viable option in the classroom. Peer reviews by faculty members at provincial post-secondary institutions with subject matter expertise in the field in which the text is published is one of the ways quality can be measured.

Welcome: Reviews will be required three months after the date of your accepted application. You will be guided through a series ... [Show more](#)

End message:

Survey general settings:

API

Find Open Textbooks

All Subjects

Arts

Business

Education

Health Related

Recreation/Tourism

Sciences

Social Sciences

Support Resources

Trades

Upgrading Programs

Available results: 242

0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 | 242 available results

Environmental Biology

☒ Faculty reviewed

Author(s): Matthew R. Fisher, Editor, Open Oregon

Date: Apr 20, 2018

Description: Environmental Biology enables students to develop a nuanced understanding of today's most pressing environmental issues. This text helps students grasp the scientific foundation of these issues so that they can better understand the world around them and their impact upon it. This open textbook covers the most salient environmental issues, from a biological perspective. The text is designed for an introductory-level college science course. Topics include the fundamentals of ecology, biodiversity...[\[more\]](#)

British Columbia in a Global Context

☒ Faculty reviewed ☒ Adopted ☒ Ancillary Resources

Author(s): Arthur Green, Okanagan College, Siobhan McPhee, University of British Columbia, Aviv Etyya, University of the Fraser Valley, Britta Ricker, Simon Fraser University, Cristina Temenos, Simon Fraser University

Date: Apr 19, 2018

Description: 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. For example mining and its effects are a global issue and we can see how these unfold...[\[more\]](#)

Good Corporation, Bad Corporation: Corporate Social Responsibility in the Global Economy

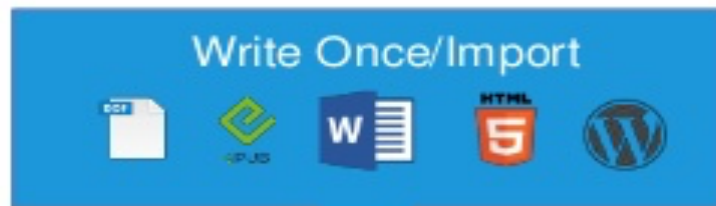
☒ Faculty reviewed ☒ Adopted ☒ Ancillary Resources

Author(s): Guillermo C. Jimenez, Elizabeth Pulos; SUNY Fashion Institute of Technology

Date: Apr 19, 2018

Description: This textbook provides an innovative, internationally-oriented approach to the teaching of corporate social responsibility (CSR) and business ethics. Drawing on case studies in- volving companies and countries around the world, the textbook explores the social, ethical and business dynamics underlying CSR in areas such as: global warming, genetically-mod- ified organisms (GMO) in food production, free trade and fair trade, anti-sweatshop and living-wage movements, organic foods and textiles, et...[\[more\]](#)

PB PRESSBOOKS



PB PRESSBOOKS

Publish Many



WORDPRESS

Contributing to Pressbooks Development

Import

Supported file extensions: WXR, EPUB, ODT, DOCX, HTML, ZIP

Maximum file size: 32M

Type of file

ZIP (OpenStax zip file, only from <https://cnx.org>)

File

<https://url-to-import.com>

Upload file



mPDF



PB My Catalog Database Design

Dashboard
Text
Book Info
Appearance
Export
Import
Tests
PB Textbook
Plugins
Media
Comments
Users
Tools
Utilities
BWP GX5
Collapse menu

PressBooks Textbook Settings

Reuse Revise Remix **Redistribute** Other

Redistribute your latest export files

If they exist, one of each of the latest export files (epub, pdf, xhtml, hpub, mobi, wxr, icml) will be available for download on the homepage.

Alternate Formats

This books is also available for free, download in the following formats:

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The download links as they would appear on the homepage.

Share Latest Export Files

☐ Yes. I would like the latest export files to be available on the homepage for free, to everyone.

☒ No. I would like the latest export files to only be available to administrators. (PressBooks default)

Save Changes

Community Created and Developed

Pressbook
Developers

BC Pressbooks Advisory
Committee

Community created texts

Webinars/Workshops

Institutional support

Self-serve for any
faculty/staff in BC

Helpdesk support



Open-source
Community

BCcampus
Developers

Pressbooks Examples

 REBUS Community

A Guide to Making Open Textbooks with Students

Edited by Elizabeth Mays

Winner of a
2018 Open
Education Award
for Excellence

Includes contributions from:

Robin DeRosa
Rajiv Jhangiani
Timothy Robbins
David Squires
Julie Ward
Anna Andrzejewski
Samara Burns

Matthew Moore
Alice Barrett
Amanda Coolidge
Maxwell Nicholson
Steel Wagstaff
Gabriel Higginbotham
Zoe Wake Hyde

Ethics in Law Enforcement

Steve McCartney and Rick Parent and McCartney, Steve

In this book, you will examine the moral and ethical issues that exist within law enforcement. This book will also familiarize you with the basic history, principles, and theories of ethics.



Creative Commons Attribution

READ BOOK



Ethics in Law Enforcement



B.C. Open Textbook Project
open.bccampus.ca

BCcampus | OpenEd

Download this book

Pillar 1: Open Educational Resources

“Open Educational Resources (OERs) are any type of educational materials that are in the public domain or introduced with an open license. The nature of these open materials means that anyone can legally and freely copy, use, adapt and re-share them.”

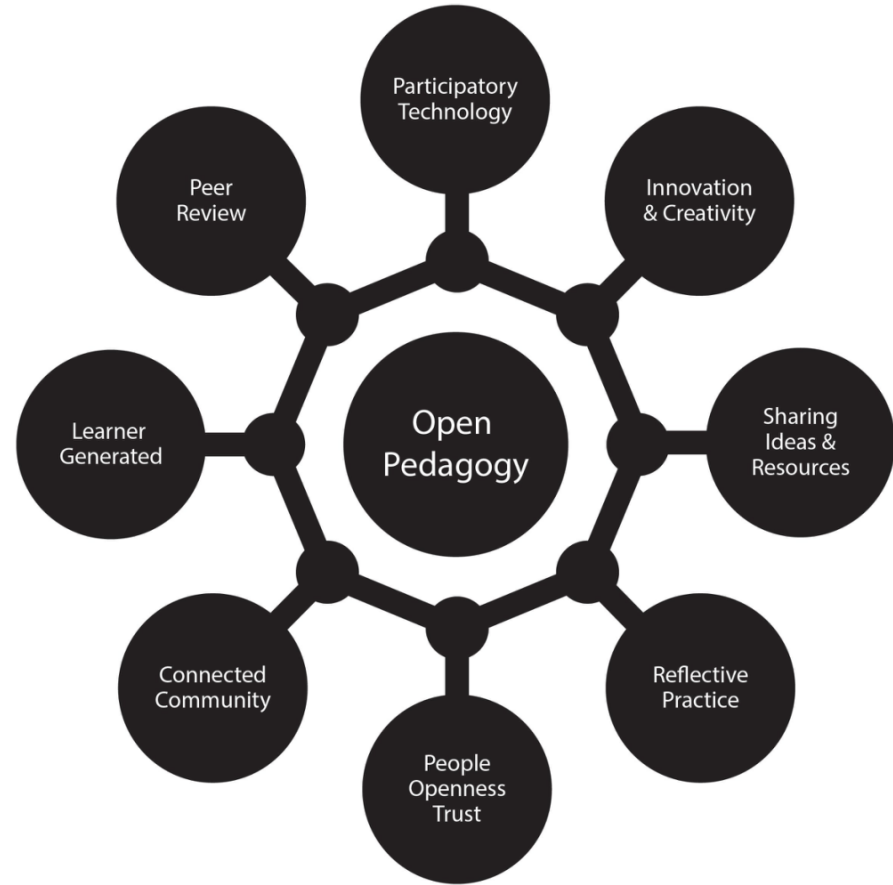
UNESCO



Pillar 2: Open Pedagogy

Open pedagogy is a set of teaching and learning practices only possible in the context of the free access and 5R (reuse, revise, remix, redistribute, retain) permissions characteristic of open educational resources.

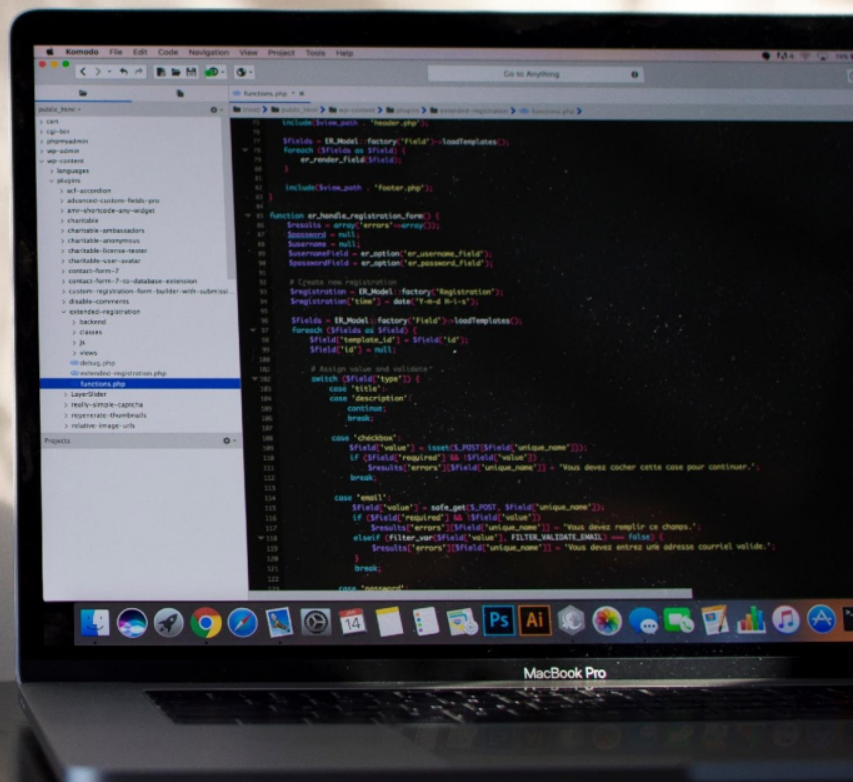
David Wiley (2013)



Pillar 3: Open technology

“Open education is not limited to just open educational resources. It also draws upon **open technologies** that facilitate collaborative, flexible learning and the open sharing of teaching practices that empower educators to benefit from the best ideas of their colleagues.”

Cape Town Open Education Declaration, 2007



What are



OPEN

technologies?



Linux



WORDPRESS



hypothes.is



canvas
BY INSTRUCTURE



Mattermost®

PB PRESSBOOKS

Why are open technologies important?



- Remixable formats
- Student privacy and data concerns
- Support emerging models of open pedagogy
- Increased digital resilience in our institutions

Here lies a good OER
Cause of death
Released only as a PDF



Storage and access must be in Canada

30.1 A public body must ensure that personal information in its custody or under its control is stored only in Canada and accessed only in Canada, unless one of the following applies:

- (a) if the individual the information is about has identified the information and has consented, in the prescribed manner, to it being stored in or accessed from, as applicable, another jurisdiction;
- (b) if it is stored in or accessed from another jurisdiction for the purpose of disclosure allowed under this Act;
- (c) if it was disclosed under section 33.1 (1) (i.1).

Obligation to report foreign demand for disclosure

30.2 (1) In this section:

ORT | FIFTH SESSION | FORTIETH PARLIAMENT

Report of the Special Committee to Review the Freedom of Information and Protection of Privacy Act

Student Data is the New Oil: MOOCs, Metaphor, and Money



Audrey Watters on 17 Oct 2013

“Much of this data exists in software silos that are disconnected. But more and more, companies are starting to push for the aggregation of student data into analytics tools that can be sold in turn back to the school. Learning management system log-ins and duration of their LMS sessions. Blog and forum comment history. Internet usage while on campus. Emails sent and received on via university email accounts. The pages students read in digital textbooks. The passages they highlight.”

Tools for Tailored Learning May Expose Students' Personal Details

By NATASHA SINGER AUG. 30, 2015



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When Guarding Student Data Endangers
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Silicon Valley Turns Its Eye to Education
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Some Schools Embrace Demands for
Education Data MAY 11, 2015

“The elephant in the room is the efficacy of wholesale student data collection,” said Khaliah Barnes of the Electronic Privacy Information Center, a research group in Washington.

Tools for Tailored Learning May Expose Students' Personal Details

By NATASHA SINGER AUG. 30, 2015



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When Guarding Student Data Endangers



Silicon Valley Turns Its Eye to Education

JAN. 11, 2015



Some Schools Embrace Demands for
Education Data

MAY 11, 2015

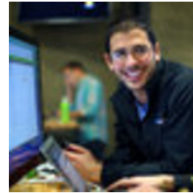
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Tools for Tailored Learning May Expose Students' Personal Details

By NATASHA SINGER AUG. 30, 2015



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Silicon Valley Turns Its Eye to Education

JAN. 11, 2015

“The elephant in the room is the efficacy of wholesale student data collection,” said Khaliah Barnes of the Electronic Privacy Information Center, a research group in Washington.



Google Acknowledges Data Mining Student Users Outside Apps for Education

By Benjamin Herold on February 17, 2016 2:57 PM

[Tweet](#) [Share 431](#)



Online-services giant Google has acknowledged that it collects and data-mines for some commercial purposes a wide range of personal information on student users who log in through its popular Apps for Education service, then venture to the company's search engine and other products.

NEWS

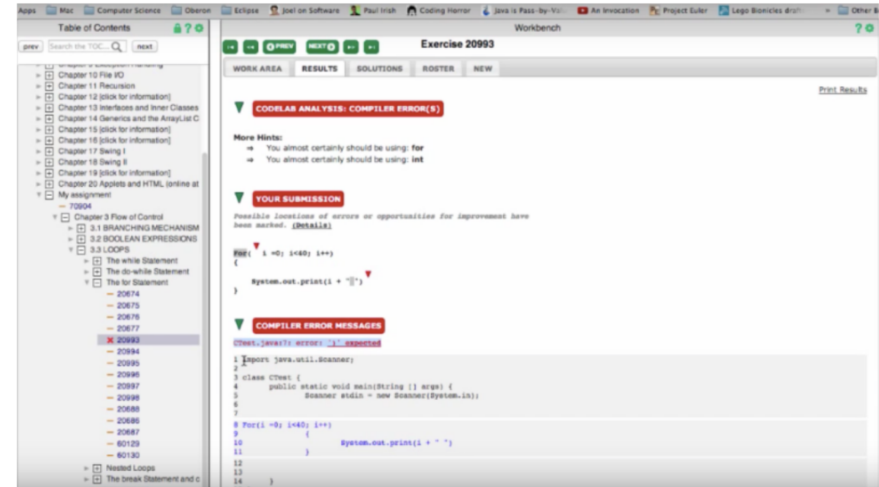
Pearson Embedded a 'Social-Psychological' Experiment in Students' Educational Software [Updated]



Sidney Fussell

Wednesday 5:50pm • Filed to: EDUCATION

47.9K 83 4



My Programming Lab

http://blogs.edweek.org/edweek/DigitalEducation/2016/02/google_acknowledges_data_mining_GAFE_users.html

<https://gizmodo.com/pearson-embedded-a-social-psychological-experiment-in-s-1825367784>

How do our technology choices in education...

...influence our pedagogy?

...reflect our values?

Homework6.4: Problem 3

[Prev](#)[Up](#)[Next](#)

(1 pt) Consider the following initial value problem, in which an input of large amplitude and short duration has been idealized as a delta function.

$$y'' + 9\pi^2 y = 3\pi\delta(t - 3), \quad y(0) = 0, \quad y'(0) = 0.$$

1. Find the Laplace transform of the solution.

$$Y(s) = \mathcal{L}\{y(t)\} =$$

2. Obtain the solution $y(t)$.

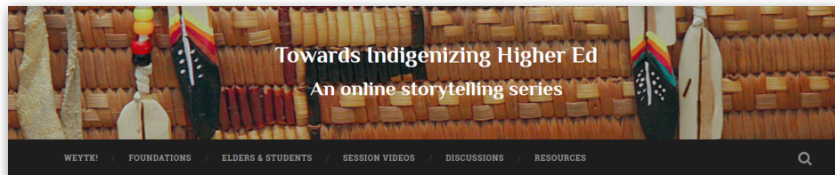
$$y(t) =$$

3. Express the solution as a piecewise-defined function and think about what happens to the graph of the solution at $t = 3$.

$$y(t) = \begin{cases} \text{[]} & \text{if } 0 \leq t < 3, \\ \text{[]} & \text{if } 3 \leq t < \infty. \end{cases}$$

Note: You can earn partial credit on this problem.

[Preview Answers](#)[Submit Answers](#)



Towards Indigenizing Higher Ed

An online storytelling series

WEYTK! / FOUNDATIONS / ELDERS & STUDENTS / SESSION VIDEOS / DISCUSSIONS / RESOURCES

Weytk!

Weytk -welcome to our online storytelling series.

Indigenization: "Indigenization is the process of infusing Aboriginal knowledge and perspective into the structural layers of an institution. The goal is to create a more inclusive environment through the presentation of a different world view, and to enhance and enrich the educational and cultural experience of the educational community. This does not mean the institution is Indigenous-centred, but it does mean that consideration of Aboriginal issues comes 'naturally'."

Camosun College

This four part online storytelling series inquires into the following questions:

- What does it **mean** to indigenize higher education?
- What does an indigenized university **look like**?
- What are the **benefits** of indigenization?
- How can I indigenize **my curriculum**?
- Why does it **matter**?

You may tune into each live seminar as it is being streamed over the internet, or watch the archived events later. We hope that this storytelling series becomes a valuable resource for you as we move towards indigenizing Thompson Rivers University.

**Everyone is welcome.
Listen in & participate in our online discussions.
No registration required.
This is an online event only. No studio audience.**

Save the dates

- Thursday, **February 2**, 2017, 11am-noon PST
- Wednesday, **February 15**, 2017, 11am-noon PST
- Wednesday, **March 1**, 2017, 11am-noon PST

Open Livestream

SESSION VIDEO RECORDINGS

Please see the individual dates under the "Sessions" menu item for the video recordings of the sessions.

Discussions

SIGN UP FOR OUR NEWSLETTER

Enter your email address

Subscribe

Note: Information will be stored on servers in the U.S.
powered by TruLetter

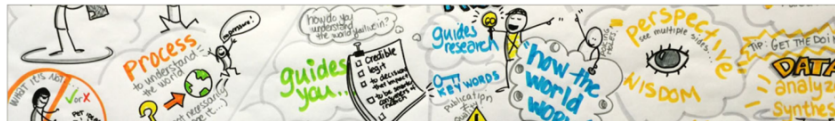
RECENT COMMENTS

- Sylvia March 16, 2017 at 4:41 pm on Collecting our resources
Wonderful! Thank you so much for posting these resources. Star! I especially look forward to digging into your article co-authored...
- Star Mahara March 16, 2017 at 4:37 am on Collecting our resources
Please add to the resource list. These three sources informed the nursing students' work on the respectful response project and...
- Sylvia Currie March 11, 2017 at 2:39 pm on Collecting our resources
Thank you very much for sharing this, Chris. I especially enjoyed the collection of videos.

LRNT 528

Home Schedule Readings Assessment Toolkit

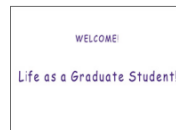
LRNT 528 – Facilitating in Digital Learning Environments



Welcome to LRNT 528



First Nations Chiefs Welcome



Life as a Grad Student

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Pellentesque condimentum tortor et odio tempor dictum. Nunc eros quam, tincidunt in dignissim vitae, consequat in ex. Curabitur quam lacus, rutrum ac lacus a, consectetur laoreet purus. Praesent tristique dui vitae urna tincidunt aliquet. Curabitur aliquam neque purus, sed dapibus purus molestie eu. Quisque ac leo a lectus ullamcorper venenatis. Curabitur sit amet ipsum commodo, molestie quam in, dictum justo. Donec justo turpis, rutrum vitae eros et, varius dignissim justo. Nulla sollicitudin mi non ipsum sagittis, sed imperdiet augue venenatis. Etiam maximus sit amet magna vitae lobortis. Suspendisse ut lectus eget arcu finibus pulvinar. In mattis arcu non sapien laoreet ultrices. Vivamus eleifend congue enim in mattis. Proin dictum, dui in porta finibus, libero justo luctus leo, nec rutrum risus massa a lorem.

Maecenas gravida justo et lacus sollicitudin, at tincidunt magna consequat. Duis malesuada facilisis diam, at hendrerit est. Nunc diam ante, tempus egestas nunc in, commodo pellentesque nunc. Donec eget tincidunt nunc. Curabitur aliquet metus erat, sit amet sollicitudin urna tristique ac. Cras posuere leo eu erat pulvinar, eu congue ante mollis. Morbi at aliquet lacus.

Nullam maximus sem non rhoncus pretium. Donec sit amet lorem blandit, porttitor lorem id, vulputate est. Donec finibus libero sit amet massa egestas, commodo rutrum libero vulputate. Praesent tempor metus sit amet augue ultrices posuere. Quisque sit amet venenatis magna. Aenean eleifend eleifend sollicitudin. Suspendisse aliquam tortor arcu. Integer sit amet interdum nunc. Sed dapibus accumsan purus. Morbi ex dolor, varius vel nibh eu, ornare egestas lorem. Sed eget venenatis nibh. Vivamus et fusidat iocum. Vivamus euismod pellentesque leo.

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Instructor Posts

Course Opening – 1st Week
Sticky Post October 28, 2016

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#rumalat

Education St. @RRUEduSta...
#RRUMALAT this upcoming Spring Jam 2017 @elug event may be something to consider #edtech #elug



June 1 - 2, 2017

<https://towards-indigenizing.trubox.ca/>

<https://open.bccampus.ca/2017/01/26/the-continuum-of-openness-highlighting-the-rru-malat-program/>

Critical media literacies and associated digital skills

Explore the concept of media literacy and apply this knowledge to access, analyse, evaluate and create digital media



What's it about?

Learning in a Digital Age (LiDA) is about learning on the Internet and we recommend that any learner embarking on tertiary study in today's world should take this free course. Critical media literacies and associated digital skills is the fourth of four LiDA micro-courses, where you will develop critical media literacy skills and use multimodal communication to express outputs of learning effectively in a digital online environment.

What will I learn?

In this micro-course you will:

- Define media literacy and what it means for learning in a digital age.
- Analyse a recent press release from a critical media perspective.
- Analyse contemporary news considering how the medium and publisher influences the message.
- Apply web literacy skills for online fact-checking
- Apply skills in using digital media for creating a multimodal presentation to support learning

What's involved?

There are four learning pathways each containing numerous resources and learning challenges designed to help you develop critical media literacy skills for networked learning in a digital age. The learning pathways are:

Future

START LEARNING

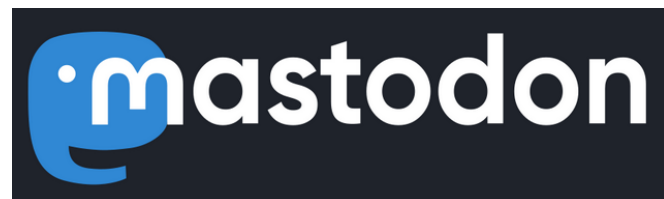
Course Code:	LIDA104
Starts:	30 May 2018
Finishes:	13 June 2018
Duration:	2 weeks, 10 hours per week
Type:	Micro course
Assessments:	20 hours

Credentiaing:



Course Credit: Requirement for Learning in a Digital Age

Additional Courses: Digital literacies for online learning, Digital citizenship, Open education, copyright and open licensing in a digital world









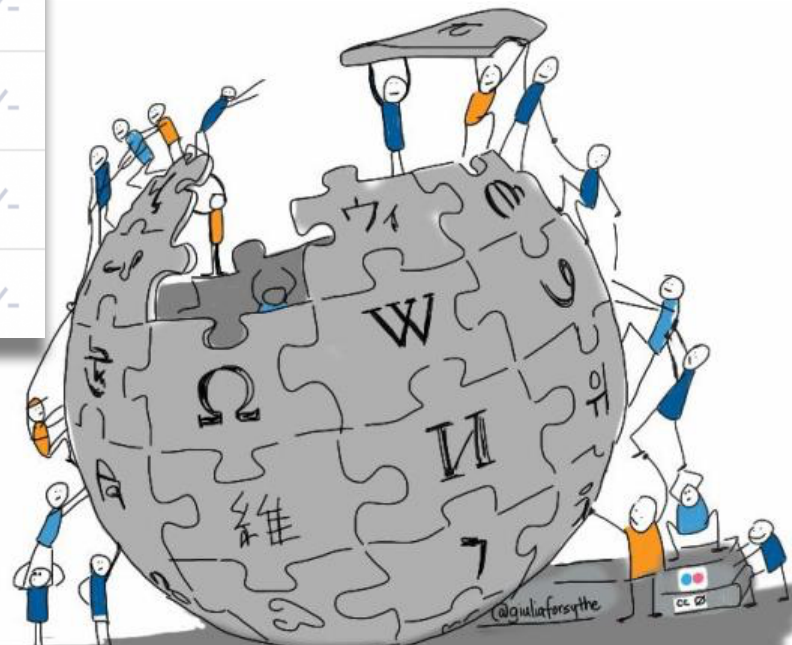


Reflection-building-distortion by aitoff CCO

**When Institutions
like Wikipedia
“involve systematic
distortion, then we
get farther and
farther away from
accurate
understandings of
the world,”**

**Ema Paling , Wikipedias Hostility
Women, The Atlantic**

Title	Chars Added [?]	Views [?]	Assessment tools
<u>Nadine Caron</u> (history) (article development)	1450 m of characters added to articles by enrolled editors between the start and end dates	1118	 +/-
<u>George C. Reifel Migratory Bird Sanctuary</u> (history) (article development)	1247	303	 +/-
<u>Statistics Canada</u> (history) (article development)	1056	6422	 +/-
<u>Kathy Martin (scientist)</u> (history) (article development)	1049	311	 +/-
<u>Uzbek Soviet Socialist Republic</u> (history) (article development)	759	4587	 +/-
<u>Cabbagetown, Toronto</u> (history) (article development)	693	4012	 +/-



The BC Open EdTech Collaborative (BCOETC)



“A loose-knit, tightly-honed group of BC post-secondary educators dedicated to working together to address our common dream of providing open and ethical online tools to educators.”

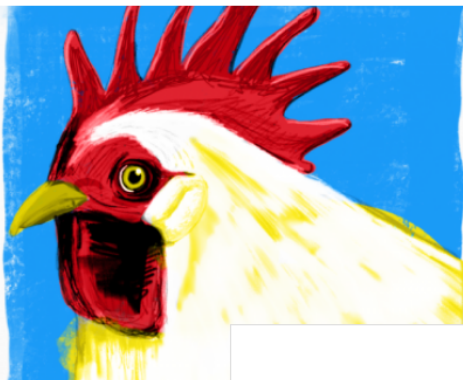


1. To promote the use of open source software (OSS) applications focused on teaching & learning.
2. To promote inter-institutional collaboration.
3. To provide a pathway for institutions and educators to actively participate in OSS projects focused on teaching & learning.
4. To encourage technological autonomy and provide ways for students, faculty and institutions to own and control their own data.
5. To lower the barriers to participation on the open web for BC faculty and students.
6. To provide value to other higher ed support systems within BC such as the BCNet EduCloud service.
7. To provide another path for sustainable ed tech infrastructure to BC higher education.
8. To assist BC faculty in evaluating and making informed pedagogical decisions around open source teaching and learning applications.

OpenETC

Free Range Edtech

[About](#) / [Get Started](#) / [Platforms](#) ▼



About

Contributions, not contracts



The OpenETC is a community of educators, technologists, and designers sharing their expertise to foster and support open infrastructure for the BC post-secondary sector. No contracts or agreements are required to join us, just a willingness and ability to

actively participate in our collective endeavor to:

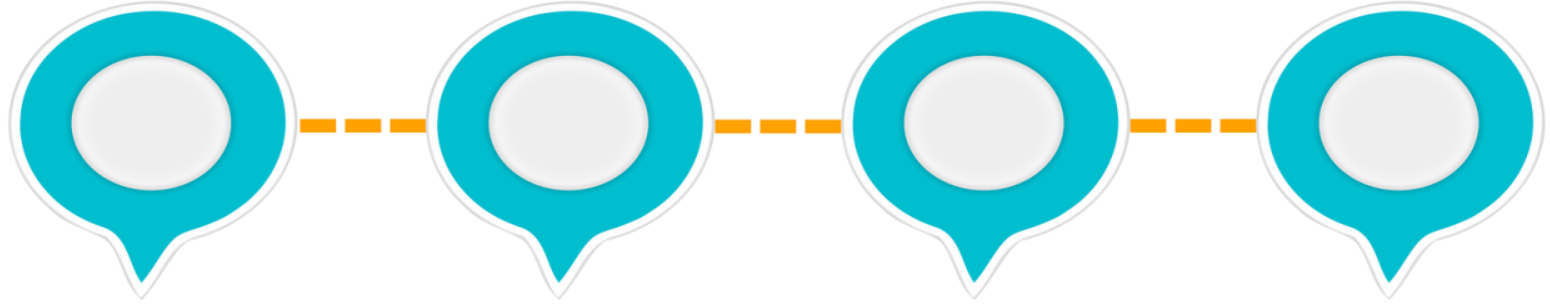


GET STARTED

[SITES @OPENETC](#)

opened.ca

How does your institution or organization leverage open education and/or open technology?



How can institutions nurture small scale educational technology innovation to help prepare our institutions from disruption?



Thank you

@lucwrite
@edtechfactotum
@maryeburgess
(Regrets)
@BCcampus

BCNET Conference 2018