Open Education:
low cost and inclusive by design

AHG Conference 2018

Presenters

Kaela Parks, Director of Disability Services
Portland Community College
kaela.parks@pcc.edu
www.pcc.edu/disability

Rondi Schei, Accessibility Advocate for Online Courses
Portland Community College
rondi.schei@pcc.edu
www.pcc.edu/access

This handout was adapted from a resource shared by Amy Hofer, Kaela Parks, and Ralf Youtz.

OER Links

- Open Washington's Open Attribution Builder is just like a citation generator, but for OER: http://www.openwa.org/open-attrib-builder/
- Creative Commons Choose a License guide helps you determine which CC license is best for you: https://creativecommons.org/choose/
- Open Oregon Educational Resources short training videos on OER: http://openoregon.org/tag/short-video/
- Open Education State Policy Tracker from SPARC https://sparcopen.org/our-work/state-policy-tracking/
- PCC OER Research page from library guide https://guides.pcc.edu/oer/research

Examples of accessible OER

- Math 20
- Calculus Lab Manual
- Open Resources for Community College Algebra (ORCCA)
- OpenIntro Statistics

Examples of OER-enabled pedagogy

- [The Open Anthology of Earlier American Literature](#)
- [Butte biology textbook](#)
- [Murder, Madness & Mayhem Wikipedia project](#)

Examples of OER focused on Accessibility

- [flexible learning for open education](#) (floe) is all about giving learners the ability to personalize their interaction with resources based on how they (as an individual) learn.
  - [Inclusive Design Handbook](#) - openly licensed and ready to share
  - [Inclusive EPUB](#) - won't make you an expert but great as a starting point
  - [Metadata demo](#) - integrates metadata authoring components in existing editors
  - [Chart authoring demo](#) - sonification of pie chart data (hint - browsers vary)
- [UDL on Campus: Accessibility and Open Education Resources](#) CAST has put this resource together to addresses several key factors that can impact development and integration of OER
  - Metadata - research has shown that difficulty finding materials is a barrier, and this is true when searching by content area or material format
  - Accessibility - many OER were not designed with access in mind - also container vs content conversation is (always) in play
  - Standards - alignment will vary
  - Bias - when crowdsourcing, there is a need for editorial oversight
  - Efficacy-based research assessments - limited in regard to OER accessibility
  - Assessments - beyond scores, real-time data tracking for engagement metrics
  - Multiple Versions - flexible and scalable OER are the most robust
- [UDL Universe](#): A Comprehensive Universal Design for Learning Faculty Development Guide - this resources provides research related to accessibility of OER and examples
- [OER and Accessibility](#) - partnership between California State University, MERLOT, Open Education Consortium, and the National Federation of the Blind
- [B.C. Open Textbook Accessibility Toolkit](#) collaboration between [BCcampus](#) and the [Centre for Accessible Post-secondary Education Resources BC (CAPER-BC)](#).
- [Web Accessibility Guidelines handbook by Portland Community College: Distance Education & Instructional Support](#) - This handbook is openly licensed - ready to share and is complemented with tutorials

Open Source Math Accessibility Resources

- [WeBWorK Accessibility Guide](#) - includes links to webinar recordings and presentations
- [WIRIS Editor demo page](#) with link to [WIRIS/MathType Accessibility documentation](#)
- [Desmos accessibility page](#) with video demo of audio trace and other features