

Open Education Resources

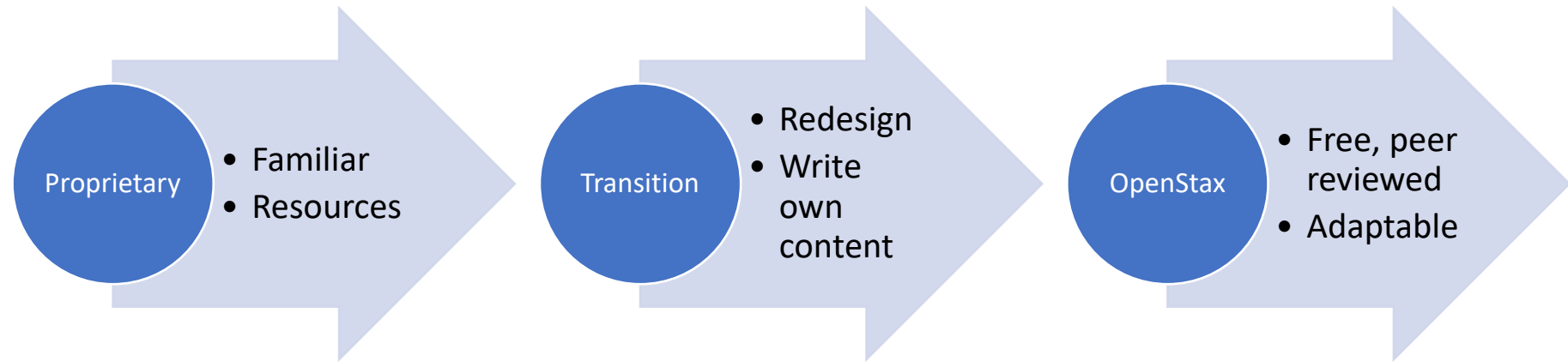
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From proprietary to open source



Some OER Repositories

- [OpenStax](#) ★
- [BCcampus Open Textbook Collection](#) ★
- [eCampusOntario Open Textbook Library](#)
- [eCampusOntario H5P Studio](#)
- [LibreTexts](#)
- [LibreStudio H5P library](#)
- [H5P Hub](#)
- [PhEt Simulations](#) ★
- [Lyryx Learning](#)
- [MERLOT](#)
- [CUNY Manifold](#)
- [MIT OpenCourseWare](#)
- [OER Commons](#)
- [Open Textbook Library](#)
- [Pressbooks Directory](#)
- [EdTech Books](#)

OpenStax

Rice University, Texas

- Open source, peer reviewed
- Interactive, adaptable
- Free, online, PDF

BCcampus

Open Textbook Collection

- Committed to accessibility
- Actively encourage OER development (ex. Canadian version of Concepts of Biology)

PhET

Physics Education Technology Simulations

- Interactive resources for math and science
- Fully supported for both students and instructors

Some resources

NCCSTS

National Center for Case Study Teaching in Science (NSTA)

- Case studies to extend thinking - interdisciplinary
- AP/IB/1st to 4th year post secondary
- adaptable

HHMI

Howard Hughes Medical Institute

- Comprehensive – resources, interactive, assessment
- Some are adaptable (source available), some are not
- Meet accessibility standards

CellsAlive

One person with a camera and a website

- Interactive
- Repository of images and videos
- Found on MERLOT with linked adaptable materials

Checklist for evaluation OER

Relevance

- Does the information directly address one or more of the class objectives?

Accuracy

- Is the information accurate?
- Are there major content errors or omissions?
- Are there spelling errors or typos?
- Has the material been peer reviewed?

Checklist for evaluation OER

Production Quality

- Is the information clear and understandable?
- Is the layout and interface easy to navigate?
- Do the design features enhance learning?
- For multimedia resources, are the audio/video quality high?

Accessibility

- Is the resource available in alternative formats (e.g. .doc or .odf)?
- For audio or video resources, is there a transcript or subtitles?

Checklist for evaluation OER

Interactivity

- Does the resource encourage active learning and class participation? If not, are you able to add that to the resource?
- Are there opportunities for students to test their understanding of the material (e.g. a video with embedded questions)?

Licensing

- Does the license allow for educational reuse of the materials?
- Does the license allow modifications or adaptations of the materials? If so, can you
- modify the resource to better fit the class objectives or encourage active learning?

UN SDG 4 – Quality Education

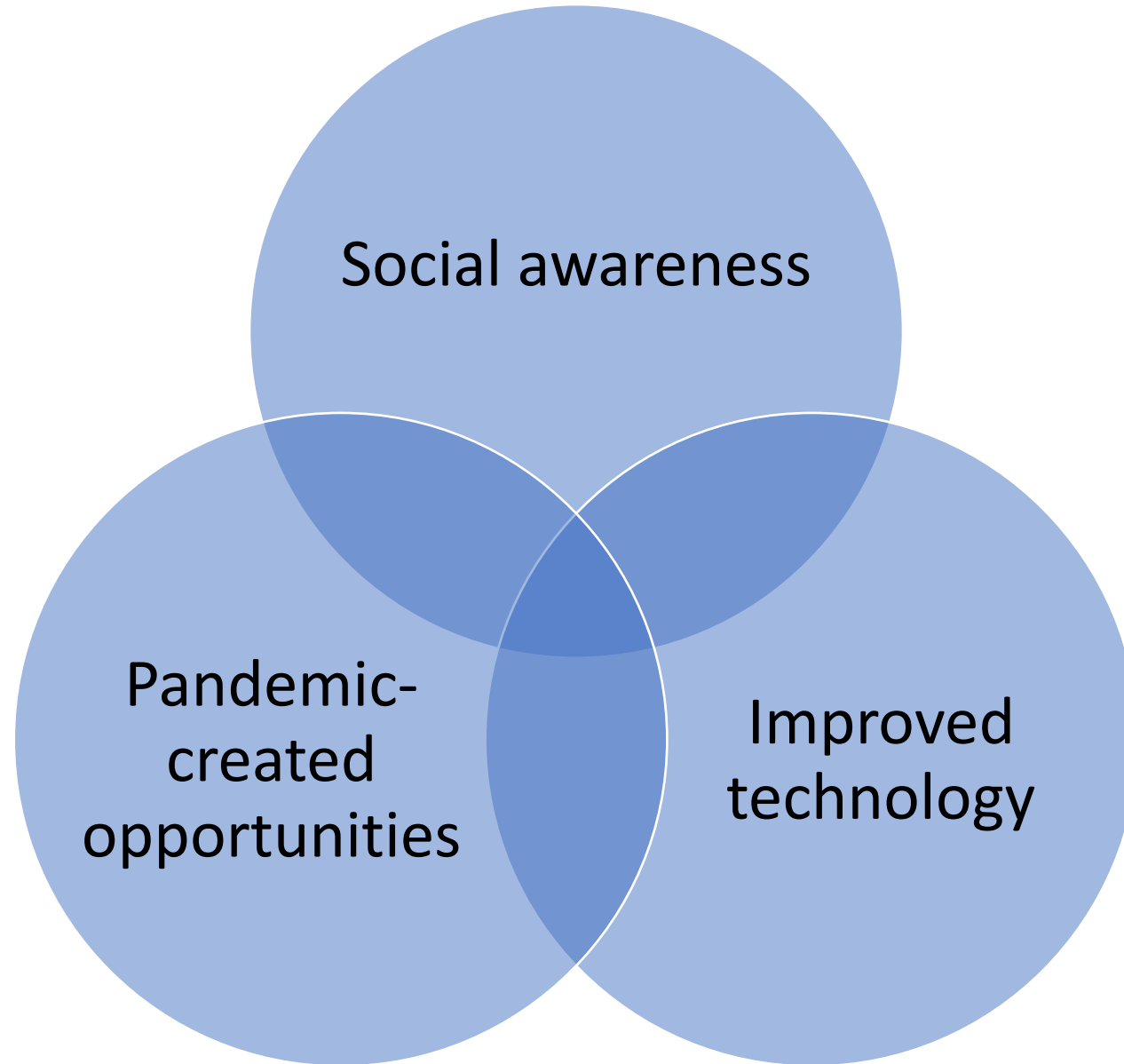
Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

Recognize the pandemic caused setbacks in learning

Increase
accessibility

Increase inclusivity

Create resources for
global learning
community



Social awareness

Pandemic-
created
opportunities

Improved
technology

Resources

Evaluating OER Checklist

- BCOER Librarians (2015). *Faculty Guide for Evaluating Open Education Resources*, Licensed under a [Creative Commons Attribution 4.0 International License](#). Retrieved from <https://open.bccampus.ca/files/2014/07/Faculty-Guide-22-Apr-15.pdf>

SDG 4

Quality Education

- <https://sdgs.un.org/goals>