

Open Educational Resources for Physical Science

[Astronomy-OpenStax](#)

The book begins with relevant scientific fundamentals and progresses through an exploration of the solar system, stars, galaxies, and cosmology. The Astronomy textbook builds student understanding through the use of relevant analogies, clear and non-technical explanations, and rich illustrations.

[Physical Geography](#)

A fully comprehensive online textbook that gives an introduction to physical geography and explores topics ranging from the universe, plate tectonics, planet earth, tectonic forces, weathering, erosion and deposition, and more.

[Physical Geology](#)

Physical Geology is a comprehensive introductory text on the physical aspects of geology, including rocks and minerals, plate tectonics, earthquakes, volcanoes, glaciation, groundwater, streams, coasts, mass wasting, climate change, planetary geology and much more. It has a strong emphasis on examples from western Canada, especially British Columbia, and also includes a chapter devoted to the geological history of western Canada.

[Environmental Biology](#)

A full online textbook that covers the most salient environmental issues from a biological perspective.

[Terrestrial Environments](#)

Covers content about environmental science, matter, energy, life, ecosystems, biodiversity, population ecology, water availability and use, climate change, and much more.

[Earth Science Textbook](#)

A fully comprehensive textbook that covers earth's history, earth's minerals and rocks, earth's oceans, the solar system, stars, galaxies and the universe, volcanoes, humanity's impact on the earth's resources and much more.

Other OER Resources

- *Modifying an Open Textbook: What You Need to Know*,
<https://press.rebus.community/otnmodify>
- InfoKit on Open Educational Resources,
<https://www.jisc.ac.uk/guides/open-educational-resources>

Textbook Affordability Program

@ SBCC

Background

In [response to student concerns](#) about the current price of course materials, SBCC has secured a grant to provide professional development opportunities and support for faculty interested in switching from high-cost, traditionally published textbooks to free or low-cost Open Educational Resources.

Please consult the [flow chart and stipend structure](#) for Open Educational Resources adoption guidelines and incentives.

Get Help

- For questions about OER, stipends, and the SBCC Textbook Affordability Program contact program coordinator [Camerin Poulson](#)
- For assistance finding OER and supplemental library materials contact Reference Librarian [Michelle Bone](#), Instruction Coordinator Librarian [Ellen Carey](#), or [Camerin Poulson](#).
- For technical and design assistance incorporating OER into your course contact the [Faculty Resource Center](#).
- For questions about how to offer print copies of your OER through the bookstore contact [Shane Bandy](#)

- To get a print copy of your OER placed on the library reserve contact [Camerin Poulson](#).
- For questions about acquiring accessible OER materials to support students with disabilities please contact [Laurie Vasquez](#), Assistive Technologies Specialist. To understand the interaction between accessibility and OER materials please use the [accessibility checklist](#) as a guide.