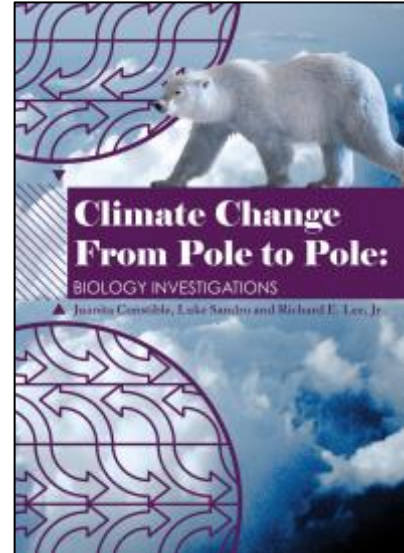


Climate Change From Pole to Pole: Biology Investigations

Author(s): Juanita Constible, Luke Sandro & Richard E. Lee, Jr

Date Available: May 2017
ISBN: 978 1 76001 470 4
Code/SKU: NST4704
RRP: \$29.95
Format/Page No.: A4, 242 pages
Year Level: 9–12, Teachers and Administrators
Focus Area: Activities and Exercises, Classroom Practice and Direct Instruction, Professional Development
Key Learning Area: Science



Summary

A subject of worldwide interest and concern, climate change is especially relevant to today's secondary school and university students, who will be living with its effects as they grow older. With biology as its focal point, this book uses current scientific literature and field-tested activities to help you and your students become more scientifically literate about this pressing global problem.

Six field-tested case studies allow students to explore the impact that a changing climate has on

- penguin communities in the Antarctic Peninsula
- polar bears and Arctic wildlife management
- wolves as a stabilising factor in ecosystems
- bird migration and breeding
- pollen allergies in the Northern Hemisphere
- heat waves from pole to pole.

Students use guiding questions, graphs, data tables, short reading assignments and independent research to investigate those six critical issues.

In addition, three special chapters for teachers contain well-researched background information on the science of climate and climate change. They are followed by a six-page summary for students, "Quick Guide to Climate". All of these features, plus a glossary of key terms and many captivating photographs, make *Climate Change From Pole to Pole* a must-have book for secondary school and university teachers and their students who want to understand the challenges facing planet Earth.

Other Resources

- *Scientific Argumentation in Biology: 30 Classroom Activities* (NST9995)
- *Hard-to-Teach Biology Concepts, Revised 2nd Edition: Designing Instruction Aligned to the NGSS* (NST4681)