Land-based and Place-based Learning:

A Bibliography of Resources

July 2020

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Please note: Annotations have been excerpted and/or adapted from descriptions provided by the publishers.

304.2 O69
Nelson, Melissa K. (Ed.)
Original instructions: Indigenous teachings for a sustainable future
Summary: Indigenous leaders and other visionaries suggest solutions to today's global crisis.

305.897 K49
Kimmerer, Robin Wall
Braiding sweetgrass: Indigenous wisdom, scientific knowledge, and the teachings of plants
Summary: This book features an inspired weaving of Indigenous knowledge, plant science, and personal narrative.

306.42 I39
Indigenous Earth: praxis and transformation
Summary: This book is a collection of essays that bring together voices from a diverse range of academics and practitioners in environmental and social concerns. Topics vary in range from practice in conservation biology to sustainable natural resource management. It also features the research and development of theory ranging from Indigenous environmental ethics to critical issues in cultural heritage and intellectual property. Contributing essays include voices from Peru, Bolivia, Philippines, Norway, United States, and Canada. To preserve the integrity of the variety of disciplines of the contributors, the editor decided to maintain the variety of styles featured in the separate essays.

306.43 L253
McCoy, Kate
Land education: rethinking pedagogies of place from Indigenous, postcolonial, and decolonizing perspectives
Summary: This important book on Land Education offers critical analysis of the paths forward for education on Indigenous land. This analysis discusses the necessity of centering historical and current contexts of colonization in education on and in relation to land. In addition,
contributors explore the intersections of environmentalism and Indigenous rights, in part inspired by the realization that the specifics of geography and community matter for how environmental education can be engaged.

333.707 C761
Contemporary studies in environmental and Indigenous pedagogies : a curricula of stories and place
Summary: This book provides an enriched view of diverse ecological perspectives regarding when and how contemporary environmental and Indigenous curriculum figures into the experiences of curricular theories and practices. It brings together theorists who inform a cultural ecological analysis of the environmental crisis by exploring the ways in which language informs ways of knowing and being as they outline how metaphor plays a major role in human relationships with natural and reconstructed environments.

333.707 S677
Sobel, David
Place-based education : connecting classrooms and communities
Summary: Place-based education is the process of using the local community and environment as a starting point to teach concepts in language arts, mathematics, social studies, science, and other subjects across the curriculum. Emphasizing hands-on, real-world learning experiences, this approach to education increases academic achievement, helps students develop stronger ties to their community, enhances students' appreciation for the natural world, and creates a heightened commitment to serving as active, contributing citizens.

363.8 P419
A people's ecology : explorations in sustainable living
Summary: This book presents a tapestry of perspectives related to the interplay of health, diet, cultural ecology, and environment that creates the fabric and foundation of all sustainable living. The writers examine the underlying ecology of food, agriculture, health care, and sustainable living rooted in the historical traditions, environmental practices, and sense of place among Indigenous Peoples, describing the impact that disruption of this way of life continues to have on health, well-being, and communal identity. Drawing on an Indigenous paradigm of healthy environment, healthy culture, healthy people, this book pulls together inspirational ideas and practical approaches to applying the principles of sustainable living in both Native and non-Native communities.
Anderson, Sarah K.  
**Bringing school to life: place-based education across the curriculum**  
*Subjects:* Interdisciplinary approach in education. Place-based education.  
*Summary:* In this book, the author offers insights into how to build a program across the K-8 grades. Anderson addresses key elements such as mapping, local history, citizen science, integrated curricula, and more. Additionally, she suggests strategies for building community partnerships and implementation for primary grades. This book goes beyond theory to give concrete examples and advice in how to make place-based education a real educational option in any school.

Carrière, Renée; Jardine, Tim  
**The Wuchusk or Muskrat Project**  
Saskatoon, SK: Dr. Stirling McDowell Foundation, 2016.  
*Summary:* What are the challenges and opportunities of engaging students and the community to the science curriculum through land-/place-based education? Project #265; October 2016.

Carrière, Renée  
**Muskrats and fire**  
Saskatoon, SK: Dr. Stirling McDowell Foundation, 2019.  
*Summary:* This is a story of a delta, lakes within the delta, muskrats, fire practices and land-based knowledge.

Judson, Gillian  
**A walking curriculum: walking, wonder, and sense of place (K-12)**  
Middletown, DE: Publisher not identified, 2018.  
*Summary:* The author is a member of the Faculty of Education at Simon Fraser University in British Columbia and a leader in the Imaginative Ecological Education movement. This book offers 60 walking-based activities for K-12 students.

Land-based learning: a case study report for educators tasked with integrating Indigenous worldviews into classrooms  
Toronto, ON: Canadian Education Association, 2017.
Summary: Printed from the internet.

371.8299707124 L253
Land based education : a teacher resource guide for schools in Saskatchewan
Saskatoon, SK : Saskatchewan Indigenous Cultural Centre, 2017.

372.35 B991
Buxton, Cory A.
Place-based science teaching and learning : 40 activities for K-8 classrooms
Subjects: Science—Study and teaching (Elementary).
Summary: This text provides elementary and middle school teachers with 40 place-based activities that will help them to make science learning relevant to their students. It provides teachers with both a rationale and a set of strategies and activities for teaching science in a local context to help students engage with science learning and come to understand the importance of science in their everyday lives.

372.35 F544
Fitch, Alexis
Everything is connected
Subjects: Ethnoscience. Indian philosophy—Study and teaching (Middle school). Indigenous Peoples in Canada. Medicinal plants—Study and teaching (Middle school). Traditional medicine—Study and teaching (Middle school).
Summary: Grade 7 Science. Ecosystems and Indigenous knowledge: "healing garden".

372.35 W361
Boreham, Brenda
The Earth, our home

372.35 W361
Boreham, Brenda
The Earth, we share
Aikenhead, Glen; Michell, Herman

**Bridging cultures: scientific and Indigenous ways of knowing nature**

Toronto, ON: Pearson, 2011.


*Summary:* The recognition of Indigenous knowledge as an important, legitimate source of understanding of the physical world is increasing within education jurisdictions worldwide. This book provides science educators with knowledgeable perspectives on scientific and Indigenous content.


Aikenhead, Glen; Brokofsky, Jennifer

**Enhancing school science with Indigenous knowledge: what we know from teachers and research**

Saskatoon, SK: Saskatoon Public Schools, 2014.


*Summary:* This handbook, published by the Saskatoon Public School Division, presents the experiences and perspectives of teachers and Elders as they work toward enhancing scientific knowledge with Indigenous knowledge in the curriculum. Chapter topics include: Combining Indigenous Knowledge and Science, Challenges Faces by Teachers and Culturally Valid Assessment.


Michell, Herman (Ed.)

**Learning Indigenous science from place: research study examining Indigenous-based science perspectives in Saskatchewan First Nations and Métis Community Contexts**

Saskatoon, SK: Aboriginal Education Research Centre, University of Saskatchewan, 2008.

*Subjects:* Native Peoples—Education—Saskatchewan. Science—Study and teaching.

*Summary:* The overall goal of this project was to investigate the inclusion of First Nations and Métis perspectives in the Saskatchewan school science curriculum as a way to improve the achievement levels of Aboriginal students.

Sterenberg, Gladys

**Learning Indigenous, Western, and personal mathematics from place**

**Subjects:** Mathematics—Study and teaching. Native Peoples—Canada—Education.

**Summary:** Learning from place recognizes the intimate relationship that Indigenous people have with the land. This paper is a preliminary exploration of one student's experiences of learning mathematics from place. Two research questions were investigated: (1) What are one student's previous experiences of learning mathematics? (2) What are one student's experiences of learning Indigenous, Western, and personal mathematics from place?

577.44 P714

**Plants growing along the river = lii plante kaa shaakikihki oborr la rivyayr : a learning guide for reconciliation through land, plants and Métis culture**
Saskatoon, SK: Gabriel Dumont Institute, 2019.

**Subjects:** Métis—Saskatchewan. Plants—Saskatchewan.

**Summary:** This guide shares 23 plants that are found at, and near, Batoche, a Métis community by the South Saskatchewan River. The guide is intended to help us understand the ways in which the Métis traditionally relate to the natural world and the interaction between plants, memory, place, and language. Reconnecting with this worldview is an act of reconciliation. It is a response to the Truth and Reconciliation Commission’s Principles of Reconciliation. Principle Eight tells us that “supporting Aboriginal Peoples’ cultural revitalization and integrating Indigenous knowledge systems, oral histories, laws, protocols, and connections to the land into the reconciliation process are essential.”

581.63 L529
Leighton, Anna L.

**A guide to 20 plants and their uses by the Cree**
Lac La Ronge, SK: Lac La Ronge Indian Band, 2004.

**Subjects:** Cree Indians—Food. Cree Indians—Social life and customs. Ethnobotany—Saskatchewan. Wild plants, Edible—Saskatchewan.

581.634 S228
Sanoffsky, Caroline

**Muskgege : Carol's traditional medicines**

**Subjects:** Indians of North America—Ethnobotany. Medicinal plants—Identification. Traditional ecological knowledge.

**Summary:** Muskgege is a written record of traditional knowledge, passed down through the generations. It features descriptions and illustrations of 36 wild plants that can be used to make medicines. It is a beautiful and compelling reminder of the important role nature plays in First Nations culture.

615.321 B427 OVERSIZE
Belcourt, Christi

**Medicines to help us : traditional Métis plant use : study prints and resource guide**
Saskatoon, SK: Gabriel Dumont Institute, 2007.

Summary: This decorative folder includes a resource guide and 30 study prints, each of which represents part of an original painting by Christi Belcourt, and is 21.5 by 28 cm in size. The 30 study prints can be assembled to create a 152.4 cm replica of Belcourt's painting, which is rendered in dots to emulate traditional Métis beadwork. The colourfully detailed study prints depict 27 plants that have medicinal properties. These medicinal properties are explained in the resource guide and on the back of the prints, along with maps indicating where in Canada the plants grow, how to use them, cautions, colour photographs of the plants and the names of the plants in English, Michif, Cree and Ojibway. This resource combines contemporary Métis artwork and the floral motif within traditional Métis beadwork with Métis traditional knowledge regarding the medicinal properties of plants. The resource guide offers an essay by Elder Rose Richardson regarding her personal experience in using medicinal plants. It includes a table of contents, a glossary and lists of print resources and websites that could be useful for further study of medicinal plants.


641.5997 K21
Kavasch, E. Barrie
Native harvests: American Indian wild foods and recipes

The following Unit Plans can be found on the Emma Stewart Resources Centre web page, in the Unit Plans sections:
https://www.stf.sk.ca/professional-resources/emma-stewart-resources-centre/unit-plans

TMC S106.21
View, Ted
Natural chemical changes and common everyday reactions: a lesson to support Science 10
Saskatoon, SK: Saskatchewan Teachers’ Federation, 2008.
Subjects: Chemical reactions—Study and teaching (Secondary). Ethnoscience. Science—Study and teaching (Secondary).
Summary: The activities and lab in this resource incorporate objectives from the unit entitled Physical change: chemical reactions in the Science 10 Curriculum Guide. The activities look at chemical change in a First Nations and Métis context. A lab is included, but the lab is not intended as a substitute for a chemical change lab - it can act as a supplement to the usual lab. Includes Elders in the classroom, by Anna-Leah King.
Notes: Science 10.

TMC S106.24
Klein, Marcia
Walking with the earth – Pimohtiwin: lessons to support Science 10
Saskatoon, SK: Saskatchewan Teachers’ Federation, 2008.
Summary: These lessons incorporate objectives from the unit entitled Life science: sustainability of ecosystems in the Science 10 Curriculum Guide. Students experience a walk in nature that could take place in any community, or could also be a field trip to an environmental centre. The material is based on experiences at Brightwater Science and Environment Centre with Saskatoon Public Schools, an outdoor education centre located near Saskatoon. In these visits, students are accompanied by an Elder or a traditional knowledge keeper. A PowerPoint presentation has been created to accompany these lessons and can be downloaded separately. Includes Elders in the classroom, by Anna-Leah King.
Notes: Science 10.

TMC S106.3
Wright, John
Indigenous knowledge and cultural weather perspectives: lessons to support Science 10
Saskatoon, SK: Saskatchewan Teachers’ Federation, 2007.
Subjects: Ethnoscience. Science—Study and teaching (Secondary). Weather—Study and teaching (Secondary).
Summary: This series of lessons incorporates four of the foundational objectives from the unit entitled Earth and Space Science: Weather Dynamics in the Science 10 Curriculum Guide. These lessons examine cultural perspectives on weather and weather predictions, and are designed to be an introduction to the topic of weather.
Notes: Science 10.

TMC S106.4
Johnson, Duane
Chemical reactions: background information for Science 10
Saskatoon, SK: Saskatchewan Teachers’ Federation, 2007.
Summary: This material provides background knowledge, from a First Nations and Métis perspective, for the unit entitled Physical Science: Chemical Reactions in the Science 10 Curriculum Guide. No lesson is included. Includes Elders in the classroom, by Anna-Leah King.