

September 26th Pro-D/Admin Day



Discussion Questions to Facilitate Department Conversation

How/what Indigenous perspectives are already being shown/used in the content area you are planning?

Indigenous perspectives are embedded throughout SEL & the Core Competencies, what are some explicit examples in your content area?

In what ways are Indigenous Perspectives already embedded in your pedagogy?

Guiding Questions for Planning

How are you integrating Indigenous content, perspectives, and principles of learning in your planning?

How can I enhance this content to engage all of my students?

Are there biases, stereotypes and/or prejudices that this unit/resource may implicitly promote?

What systems of power are shown through this unit/lesson?

Are you acknowledging the stories, knowledge and understandings from Indigenous nations or people?

How can you localize the content, stories, understandings?

- Using First Peoples Principles of Learning (FPPoL):
 - ◇ How is my identity shaped by my own culture and the lands on which I work, play and learn?
 - ◇ How do we support students in deepening their understanding of the connection between language learning and cultural identities?
 - ◇ In what ways can I extend my current practices to include more Indigenous worldviews and content?

Resources – books, websites, speakers, etc.

First Peoples Principles of Learning <http://www.fnesc.ca/first-peoples-principles-of-learning/>

First Nations Education Steering Committee: Choose 'Learning First Peoples' <http://www.fnesc.ca/>

Surrey Aboriginal Resources: <https://aboriginalresourcesforteachers.weebly.com/>

First Nations 101 by Lynda Gray (2nd edition) <https://www.firstnations101.com/>

Wayi-Wah! Indigenous Pedagogies An Act for Reconciliation and Anti-racist Education- Jo Chrona
<https://luudisk.com/wayi-wah-indigenous-pedagogies-an-act-for-reconciliation-and-anti-racist-education-sept-2022/>

Indigenous Content in Mathematics

A: First Peoples Principles of Learning

In BC's mathematics curriculum, two curricular competencies explicitly focus on [Indigenous Ways of Knowing and Being](#):

- Engage in problem-solving experiences connected with the place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community, and other cultures.
- Incorporate First Peoples worldviews, perspectives, knowledge, and practices to connect with mathematical concepts.

The [First Peoples Principles of Learning \(FPPL\)](#) are reflected elsewhere in the competencies, both core and curricular.

Explore [Jo-Anne Chrona's FPPL site](#).

Read the [welcome](#) and [background](#) pages. Although the principles are connected and not discrete, you will read further about a single principle in this task. **Select** one of the [principles](#) from the drop-down menu.

Focus Questions for Discussion:

- How is this principle reflected in learning mathematics?
- What are some implications for teaching mathematics?
- How is this principle reflected in your classroom?

B: Math First Peoples: Connecting Cultural Practices and Mathematical Concepts

Drawing on students' experiences and cultural backgrounds can lead to increased engagement. But, more importantly, this can "build student capacity for intercultural understanding, empathy, and mutual respect" (clause 63 of the Calls to Action of The Truth and Reconciliation Commission).

The First Nations Education Steering Committee (FNESC) developed the [Math First Peoples Teacher Resource Guide](#) (2020) for mathematics teachers in BC.

Read the sections Aspects of Indigenous Knowledge (pp. 15-17) and Culturally Inclusive Mathematics and Indigenous Knowledge (pp. 17-19). Note that you can download the pdf from the FNESC site.

Focus Question for Discussion:

What insights did you acquire as a result of reading these sections?

C: Lessons Integrating First Peoples Principles and Practices

Select and **plan** a lesson that incorporates a cultural practice of local First Peoples. For example, the [Math First Peoples Resource Guide](#) from the previous task provides several mini-units that integrate First Peoples cultural practices and mathematics.