Indigenous Knowledge and Science are both ways of knowing and understanding our

world and both have their own ways of interpreting that knowledge. Both shape our

Worldview.

Educators must be sensitive in how they incorporate Indigenous Knowledge. Due to the

devastating impacts of the Residential School era, the continuing oppression through

the Indian Act, and ongoing colonialism, Indigenous Knowledge has become

fragmented. And as such, it cannot be assumed that individuals, communities or

regions carry an intact, pristine Indigenous Knowledge base. In addition, educators

must also be aware of how knowledge is obtained and transferred, which is very

different than Eurocentric education. We caution educators on the dangers of

appropriation (see section on Ethical Guidelines) when using the internet or other

sources that are not credible.

This resource aims to provide a brief background on the impacts of colonialism and how

it has impacted Indigenous Peoples and their Ways of Knowing in the hopes of helping

educators become aware of how best to move forward to improve education outcomes

for all. Also, this resource will provide tips and strategies on how to avoid

essentialization (treating all Indigenous Peoples and their knowledge as the same) and

appropriation, followed by examples of how to bring Indigenous Knowledge into the

Science curriculum in an authentic and respectful way. This resource is not all

encompassing, but will provide a starting off point for educators in Science.

The following resources are excellent starting points for educators looking to incorporate Indigenous Knowledge and Science into their classrooms:

* [A Note to Teachers](https://stao.ca/cms/en/resources/indigenous-peoples/indigenous-knowledge-preamble/download)
* [Indigenous Knowledge - Understandings and Considerations](https://stao.ca/cms/en/resources/indigenous-peoples/indigenous-knowledge-understandings-and-considerations/download)
* [Indigenous Science in the Classroom](https://stao.ca/cms/en/resources/indigenous-peoples/indigenous-science-in-the-classroom/download)
* [Pedagogy - Ways of Teaching](https://stao.ca/cms/en/resources/indigenous-peoples/pedagogy-ways-of-teaching/download)
* [Indigenous Knowledge and Science - Resources](https://stao.ca/cms/en/resources/indigenous-peoples/indigenous-knowledge-resources/download)