



WILDLIFE MANAGEMENT AND TEK (Part I)

GRADE Grade 5

PART 1 of 3

TOPICS Wildlife, story, traditions, treaties, culture

CURRICULAR CONNECTIONS

Grade 5 Social Studies

Topic 2 – Histories and Stories of Ways of Life in Canada

1. Appreciate the complexity of identity in the Canadian context:
 - Acknowledge oral traditions, narratives and stories as valid sources of knowledge about land and diverse Aboriginal cultures and histories
2. Examine, critically, the ways of life of Aboriginal peoples in Canada by exploring and reflecting upon the following questions and issues:
 - What do the stories of First Nations, Métis and Inuit peoples tell us about their beliefs regarding the relationship between people and the land?

OVERVIEW

How do we know what we know? While much of our early learning today takes place in the classroom, through books and the Internet, there are myriad other ways that people have learned about the world around them. In this lesson, students will be introduced to the concept of Traditional Ecological Knowledge. They will explore the role of place to the knowledge that we acquire and learn about the importance of protocol for Indigenous and Settler people alike in the exchange of knowledge.

OBJECTIVES

- Students will be introduced to the concept of Traditional Ecological Knowledge
- Students will understand the importance of protocol when requesting or receiving Traditional Ecological Knowledge

KEY TERMS

- **Knowledge** – facts, information and skills acquired by a person through experience or education
- **Indigenous** – coming from a particular area
- **Protocol** – a way of interacting with people and places that respects traditional ways of being
- **Traditional Ecological Knowledge (TEK)** – refers to a vast body of knowledge that Indigenous people have about the environment within their territory

GUIDING QUESTIONS

- What are some of the ways that we obtain knowledge?
- What are different protocols that are observed by Indigenous cultures in the local area where you live?
- Why is it important to acknowledge the territory that you are in?

BACKGROUND ESSAY

Knowledge refers to the facts, information and skills that people acquire through experience or education. It allows us to get through the day and to navigate the world around us. Depending on where and how we live, the knowledge that we possess will be different. For example a person living off the land in northern Alberta will require different knowledge that a person living in downtown Calgary. What is some knowledge that you possess that is specific to the place that you are living?

The knowledge that we acquire is deeply rooted in the local landscape, our upbringing, and the needs that we have to meet. When we talk about ways of knowing, we are talking about the ways that people look at the world and try to give meaning to it.

There are many ways that we gain knowledge about our world. Some knowledge is gained through experiential learning or through learning



by doing. Other knowledge is gained and shared through oral storytelling. The knowledge contained within these stories may reach us instantly in the form of a moral, or it may be many years before we truly appreciate its importance. Storytelling is one common way that Indigenous cultures have passed on Traditional Ecological Knowledge to future generations.

Traditional Ecological Knowledge (TEK) is a vast and dynamic body of knowledge held by different Indigenous people, which relates to community, traditional lands and the cultures of the people who are **indigenous** to the area. It is held by individuals and communities and is often passed on through story. This collective body of knowledge also describes specific **protocols** that must be followed when harvesting plants or animals, what knowledge can be shared, when it can be shared and with whom. The knowledge comes from living within local ecosystems since time immemorial.

DURATION 10-15 minutes

MATERIALS

- Whiteboard & projector
- Scrap paper
- Writing utensils
- Post-It® Notes

ACTIVITY – QUESTION FORMULATION

This activity is designed to get students to start thinking about the topic and to think about how humans acquire knowledge. Asking good questions is a key part of scientific inquiry, participation in democracy, advocating for oneself and community and holding elected officers accountable.

1. Divide the students into groups of 3 or 4. Explain to students that you will be showing them an image or phrase related to the topic (e.g. an old growth forest or an abandoned bear den).
2. Explain the rules of the activity:
 - a. Ask as many questions as you can
 - b. Do not stop to discuss, judge, or answer the questions
 - c. Write down every question exactly as it is stated
 - d. Change any statement into a question
3. Once the students have had ample time to ask questions, tell them to stop. Tell the group to select the question(s) that they consider the most important, that they would most like to learn about, or would be the most helpful for finding a solution to a problem. Students can circle, underline, or write their chosen questions on a Post-It® note.
4. Ask the groups to share these questions with the class. As an extension, task the groups with organizing their questions together based on similarities. You may choose to revisit these them later on and ask students how they could turn their questions into scientific research questions.
5. Lead a discussion about how the students could approach finding answers to the questions that they have asked. Likely responses will include the Internet, books and people of



authority such as teachers or scientists. Ask students to consider the role that Elders and Knowledge Keepers play in Indigenous communities and how this knowledge is passed along.

Source: The Right Question Institute (RQI). The Question Formulation Technique (QFT) was created by RQI. Visit www.rightquestion.org for more information and free resources.

DURATION 10-15 minutes

ACTIVITY – BROKEN TELEPHONE

Many students will have already played some version of this classic activity. Depending on the group, you may wish to come up with the message that the students share. In order to relate this activity to the topic of TEK, it is important to facilitate a discussion about the value of oral storytelling, the ability of knowledge to evolve over time and the impact of changing the message.

1. Instruct students to stand in a semi-circle. Select one student at the end of the line to come up with a ‘secret message.’ They will then whisper that ‘secret message’ to the person beside them.
2. Have each student in the semi-circle receive and transmit the message to the person beside them, until every student has heard the message.
3. Compare the final message with the original message. As a class, brainstorm and list how and why the message may have changed. Ask the students to consider the following questions:
 - a. How was the message transmitted?
 - b. Were there any checks in place to make sure that the message was not being changed?
 - c. Is it a problem if the message changes?
4. Remind the students that all information from casual conversations in the hallway, scientific debates or TEK is shared, modified and used according to a unique set of principles.



KEEP WATCHING

“TEDxYouth@Victoria: Bradley Dick—Honouring Tradition” (Run Time – 13:17) shares traditional introductory protocols from the Lekwungen First Nation. Bradley explains his learning process, how he has gained knowledge and reflects on the meaning and importance of protocols. youtu.be/s7ZQqIFeE7g

BACKGROUND ESSAY

Individual Indigenous communities or cultures have specific protocols in place to guide the relationships that humans have with the natural world and with each other. Protocols are more than just manners or rules. They instruct us on how we can show respect to others and ourselves. It is important to recognize that knowledge and protocols differ from nation to nation, community to community, and person to person. While there may be beliefs and concerns that are shared by different Indigenous people, histories and traditions of different communities are rich and varied.

While protocols may differ from place to place, there are a few simple protocols that people can follow which are common to most Indigenous cultures across Canada. These include acknowledging the



traditional lands where you are situated and introducing yourself. It may also be appropriate to offer tobacco or a gift before requesting knowledge from an Elder in some contexts (but not in others). Typically this would come before asking an Elder to share some of their knowledge or stories with you.

Beyond these two simple protocols, students should be aware that there are other protocols that can only be learned through experience. Understanding and practicing protocols is a lifelong learning process, and demonstrates awareness and respect. The best way to learn is to build relationships with Indigenous people and to ask questions. Be prepared to make mistakes, to apologize if necessary and to be open and ready to learn.

DURATION 15-20 minutes

MATERIALS

- Computer with Internet connection

ACTIVITY – INTRODUCTIONS

This activity will familiarize students with some simple protocols that can be adopted by Indigenous and non-Indigenous students alike. Learning these protocols will also provide students with a greater understanding of how our individual cultures contribute to the types of knowledge that we possess.

Acknowledging Traditional Lands

Acknowledgement of traditional lands typically happens at the beginning of a meeting, a presentation or a celebration by an Indigenous person local to the area, an Elder, or by the facilitator. Students can start by learning about the First Nations, Métis and Inuit people who are local to their area, as well as any treaties that cover that area. Below is an example of an acknowledgement for the Bow Valley; keep in mind that it can be adapted. Most important is that the words are authentic and that we recognize that we are all treaty people. Understanding why we acknowledge traditional lands will help with this authenticity.

I would like to acknowledge that we are gathered on the traditional territories of the Niitsitapi (Blackfoot) and the people of the Treaty 7 region in southern Alberta, which includes the Siksika, the Kainai, the Piikani, the Tsuut'ina and the Îyāhē Nakoda Nations, including the Bearspaw, Chiniki and Wesley First Nations. This is also home of the Métis Nation of Alberta, Region III.

We acknowledge past, present and future generations of Indigenous people who have been living, working and stewarding this landscape since time immemorial. We honour those who have taken care of this land and will work to continue to be stewards of this landscape.

Introducing Yourself

In addition to acknowledging the place that you are situated, it is customary to also introduce yourself at the beginning of a meeting. An introduction should include your name and where you come from. For



Settler or non-Indigenous people, this does not mean the place where you were born and/or grew up (though you may also wish to mention this). Instead it refers to your cultural and geographical background prior to settling in North America. Students may not know where their relations are originally from and will have to speak with family members to learn about their heritage. Below is an example from Biosphere Institute educator Adam:

My name is Adam Mertens. I am from Scotland, England and Germany on my mother's side and the Netherlands on my father's side. I grew up in Bridgewater, Nova Scotia, part of Mi'kma'ki, the ancestral and unceded territory of the Mi'kmaq people.



KEEP READING

The Stoney Education Authority has created an app that contains over 590 language audio files featuring native Nakoda speakers. It includes stories, songs, games and quizzes. The app can be downloaded wherever you get your apps.

Students can learn a few words of greeting in the language of the Indigenous people local to your area. Below are a few words in Țyãǰé Nakoda (Stoney Nakoda) from the Stoney Nakoda Language app. Keep in mind that Țyãǰé Nakoda—as with many Indigenous language—was historically not a written language and therefore you may encounter different spellings of the same words.

- Ȃba wathtech = It's a good day (greeting)
- Doken yaú? = How are you?
- Dââwaúch = I'm fine
- Țsniyes = Thank you

Students can practice these protocols and Nakoda words by introducing themselves to one or more of their classmates. For many people (students and adults), this may feel uncomfortable at first but will become more comfortable with familiarity and practice.