



Common Elements of Lesson Plan Webpages

In this Tip Sheet: You will learn about features that are commonly found on each lesson plan webpage on NCCIE.CA.

- Everything you need to deliver a lesson plan is included on the webpage for each lesson plan (except for materials that need to be gathered, such as items found in nature, construction paper, crayons, glue, etc.)
- You can download any lesson plan (including handouts, etc.) so you can print it and write notes in preparation for your class.

Maple Syrup and Climate Change

1 **Description**
This lesson plan allows students to explore functions of the different structures found within a tree and to use scatter plots to consider the relationship between sweet water harvesting and climate conditions.

2 **Origin**
Elders and Traditional Knowledge carriers involved with Trent University and Curve Lake First Nation

Peterborough

Ontario

Subject: Science
Also: Math, Biology, History, Social Studies, Indigenous Ways of Knowing & Being

Learning Level/Grade:
8
Also: 7

3 **Related Resources**

- Tree Tapping
- Measuring Sweet Water and Maple Syrup
- Ratios of Maple Syrup and Sweet Water

4 New Lesson Plan Search

5 Download Lesson Plan (PDF)

6 Download Lesson Plan and Resources (ZIP)

7 Share your feedback

HOLISM AND ALL OUR RELATIONS
This lesson plan has been developed with an Indigenous lens that is holistic in nature, a way of being and knowing that acknowledges our relationships with 'all our relations', including plants and animals, other human beings, the water, land, wind, sun, moon, stars, and more - everything seen and unseen. With 'all our relations' in mind, this lesson plan has been developed with a focus on:

Relationship with the land See More +

On-the-land/outdoor learning experiences

Language and Culture See More +

- 1** **Title** of the lesson plan and its **Description**
- 2** **Origin, Subject** (and related subjects), **Learning Level(s)/Grade(s)**
- 3** **Related Resources** - If there are other resources (e.g., other lesson plans or videos) connected to this one, this information will show up here
- 4** Click here to start a new search for more lesson plans
- 5** If you want to download the lesson plan with or without all the handouts, click one of these buttons. The files will appear in your 'Downloads' folder
- 6** If you have some feedback to share with NCCIE, click here
- 7** **Holism and All Our Relations** (see Tip Sheet #5)



8 ACKNOWLEDGEMENT PROTOCOL

9 CONTRIBUTORS

Contributors

10 LEARNING OUTCOMES

Upon successful completion of this lesson plan, students will be able to:

1. Connecting identity, place, culture and 'belonging' through the medium of the arts.

11 TEACHERS' GUIDE

Background/Foundational Information

12 ACTIVITIES, LEARNING PLAN, or UPLOADED LESSON PLAN

Information here depends on the type of lesson plan (as reviewed in Tip Sheet #4)

13 ASSESSMENT

14 RELATED RESOURCES ON NCCIE.CA

15 WHERE CAN I FIND ADDITIONAL INFORMATION?

LESSON PLAN LENGTH

Estimated Length (hh:mm): 2:00
(includes time for instruction, activities, self-reflection, and assessment, if applicable)

OTHER DETAILS

Meets curriculum expectations or outcomes for: British Columbia

Meets Yes

LESSON PLAN TOPICS

Indigenous Ways of Knowing & Being

Art / Performance

Culture

Language

QUESTIONS?

Please contact [Jason Bruce](#) for more information.

8 Acknowledgement Protocol (see Tip Sheet #5)

9 Contributors – Click here to see who was involved in the creation of this lesson plan

10 Learning Outcomes – Read the learning outcomes for this lesson

11 Teachers' Guide – Click and read background and foundational information

12 Based on the type of lesson plan, you will find:

- a) **“Activities”** for a subject lesson (e.g., science, math, etc.; see Tip Sheet #7)
- b) **“Learning Plan”** for a language lesson (see Tip Sheet #8)
- c) An **uploaded document** with a **complete lesson plan** (see Tip Sheet #9).

13 Assessment (see Tip Sheet #5)

14 Related Resources on NCCIE.CA
Any resources on NCCIE.CA that are connected to this lesson plan are shown here

15 Where can I find additional information?
Information on the world wide web that will provide you with additional background or more resources is listed here

16 Here you will find:

- Estimated length of lesson (adjust time as necessary);
- Whether this lesson plan meets curriculum expectations or outcomes in the province/territory of origin;
- Summary of lesson plan topics (Click on a button to find other lesson plans related to that topic);
- Who to contact if you have questions.