
Fire Safety: Fire Facts

Instructor's Guide: Grade 4-6

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**FIRST NATIONS
TECHNICAL SERVICES
ADVISORY GROUP INC**

Preface

The First Nations Technical Services Advisory Group Inc., (TSAG), provides technical services and training for First Nations in Alberta in Asset Management, Circuit Rider Training, Water and Wastewater Management, Environmental Management, Housing Support Services, Fire Safety, Rural Addressing, Information Technology Services, and Virtual Healthcare. As a third-party service provider, we are funded by Indigenous Services Canada (ISC), and the First Nations and Inuit Health Branch of Canada (FNIHB) to deliver these services.

TSAG's values are:

- Integrity:*** *We value honesty, trust, and confidentiality in our relationships and re committed to achieving excellence.*
- Accountability:*** *We accept responsibility for our actions and decisions.*
- Respect:*** *We will respect the rights of First Nations, our partners, and our employees.*

These values are the foundation on which TSAG is built. We continually strive to create programming and build capacity within our First Nations to support our people today and expand to future generations. We welcome your feedback, hope that you utilize this information as lesson plans and share the knowledge with those around you.

Forward

Fire has always been an important symbol in First Nations Culture It brings warmth, prepares food and water for safe consumption, acts as a defense against predatory animals and has a spiritual meaning. It can bring new growth, but it can also bring destruction and devastation. An element as important as this requires the utmost respect and care.

The TSAG Fire Keepers initiative was created in 2022 to continue to bring awareness and education to youth about the importance of Fire Safety in and around their home and community.

As your students learn about Fire and Fire Safety, we hope that they will continue to develop respect for fire and recognize the significance of this element to their family, community, and culture. It is with that sentiment that TSAG is honored to share these lessons with you



Lesson Overview

This lesson begins by discussing the Fire triangle and how fires can be put out by removing one element of the triangle. It moves into discussing three types of fuels or fire classes. Lastly, it teaches about electrical wattages and the hazards related according to wattage.

Lesson Length:

30-40 minutes

Materials Needed:

- Letter to Parents
- Computer with projector/screen
- TSAG PowerPoint
- Student booklets
- TSAG Fire Keeper Stickers
- 2 small electrical appliances (with different wattages)

Lesson Preparation:

- Ensure you have enough copies of the student booklet
- Review this lesson plan and PPT before the class.
- Preview the videos embedded in the Power Point slides to ensure your students will not be alarmed by them.

How to Make This Class Successful:

Before Class

- Come prepared with examples from your own background/experience.
- Set up laptop and projector and make sure they are working properly.

During Class

- Be prepared to share your thoughts on various topics.
- Keep the class on track and focused on the issues.

After Class

- Write down your feedback on the lesson and submit it to TSAG.



Alberta Education Objectives:

This lesson aligns with Alberta Education's Program of Studies Science

Inquiry is the process of finding answers to questions. The skills of science inquiry include asking questions, proposing ideas, observing, experimenting, and interpreting the evidence that is gathered. Observation and evidence are key elements.

- **4-1 Investigate the nature of things, demonstrating purposeful action that leads to inferences supported by observations.**

- **5-5 Recognize and appreciate the potential dangers involved in using sources of electrical currents:**
 - *understand that household electrical currents are potentially dangerous and not a suitable source for experimentation*
 - *understand that small batteries are a relatively safe source of electricity, for experimentation and study, but that care should be taken to avoid short circuits*
 - *understand that short circuits may cause wires to heat up, as well as waste the limited amount of energy in batteries.*

<https://www.learnalberta.ca/ProgramOfStudy.aspx?lang=en&ProgramId=3799>

Fire Safety: Fire Facts

Lesson Objectives:

Together, you and your students will:

1. Provide examples of the heat and fuel components of a fire triangle.
2. Explain putting out fire by removing one of the three elements of fire.
3. Classify the types of fires.
4. Associate the level of danger of an electrical appliance with the amount of power it uses.

Introduction	Check as you complete each task
<p>Let's Begin: Teacher Introduction to Fire Safety:</p> <ul style="list-style-type: none"> • To introduce this program on Fire Safety we are going to start by building your knowledge of fire facts. First let's look at our thoughts on fire. <p>Ask the Class:</p> <ul style="list-style-type: none"> ➤ Is fire good or bad? ➤ What are the positive ways we use fire? ➤ What are the negative ways we use fire? ➤ What are ways we use fire that are unique to our culture? 	
The Fire Triangle	
<p>Ask the Class:</p> <ul style="list-style-type: none"> ➤ What makes a fire? <p>Class Activity:</p> <ol style="list-style-type: none"> 1. Show and discuss the Fire Triangle slide and discuss as per the speaker notes. 2. Play the flip card game on the PowerPoint slide. <ul style="list-style-type: none"> ❖ To do this activity, read the card out loud and ask the students to guess. Then click on the card to see the answer. ❖ Always start on the left side of the slide and work to the right side of the slide. 	



Types of Fires	
<p>Topics to Discuss with your Class:</p> <ul style="list-style-type: none">• There are different types of fuel, and this means there are also different types of fire. <p>Class Activity:</p> <ol style="list-style-type: none">1. Show the first PowerPoint slide on Class A fires and discuss as per Speakers notes/questions.2. Show the second PowerPoint slide on Class B fires and discuss as per Speakers notes/questions.3. Show the third PowerPoint slide on Class C fires and discuss as per Speakers notes/questions.	
Talking More About Electricity	
<p>Topics to Discuss with your Class:</p> <ul style="list-style-type: none">• We just saw that electrical equipment is its own class of fires. <p>Ask the class:</p> <ul style="list-style-type: none">➤ How do you think electrical appliances become a fire hazard? <p>Class Activity:</p> <ol style="list-style-type: none">1. Show and discuss the PowerPoint slide # 7 and discuss as per the speakers notes.<ul style="list-style-type: none">✓ Show the two appliances that you brought in and discuss the wattages (the wattage indicates how much electricity the appliance uses and therefore the greater danger)2. Discuss which object would use more electricity and so be more likely to start a fire:<ul style="list-style-type: none">▪ Flashlight vs a lamp▪ Clock vs a fan▪ Extension cord or high-tension wires <p>Ask the Class:</p> <ul style="list-style-type: none">➤ What does this tell you about how to treat electricity?	
Concluding Activity	
<p>Ask the Class:</p> <ul style="list-style-type: none">➤ What are the elements of the fire triangle➤ What are some examples of heat? Of fuel?➤ What happens if you remove one of the elements?➤ What are some examples of flammable liquids?➤ What are the classes of fires?	

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- What is important to consider when dealing with electricity?

Class Activity:

1. Ask the students to complete the activity on page 3 in their booklet.

Take Home Activity

1. Ask the students to play investigator in their homes and see if they can find 1 safety hazard in their home for each of the types of fuel (Class A,B, and C) and tell their parents how it is a fire hazard.
2. Upon check-in the following morning, students should be awarded with a TFK sticker to be placed in their booklet.



Bibliography

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