
Fire Safety: Fire Facts

Instructor's Guide: Grade 10-12

www.tsag.net



**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:

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

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 reviewing basic the elements of the fire triangle and how you can prevent/extinguish fires by removing an element. The students then compile a list of home fire hazards. Lastly, how to use a fire extinguisher is reviewed.

Lesson Length:

30 minutes

Materials Needed:

- Computer with projector/screen
- TSAG PowerPoint
- Small fire extinguisher

Lesson Preparation:

- Review this lesson plan and PPT (and speaker notes, if any) 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.

Please note that TSAG has a BullEx laser training extinguisher that simulates fires and extinguishing them. If you would like a TSAG Representative to come to your school and demonstrate it for your students, please contact fire@tsag.net.



Alberta Education Objectives:

This lesson aligns with Alberta Education's Program of Studies
Grade 10 Science

- *how chemical substances meet human needs*
- *evidence of chemical change*
- *role and need for classification of chemical change*
- https://education.alberta.ca/media/3069384/pos_science_10.pdf

Fire Safety: Fire Facts

Lesson Objectives:

Together, you and your students will:

1. Define fire and understand the 3 elements a fire needs to survive.
2. Explain putting out fire by removing one of the three elements of fire.
3. Compile a list of home/property fire hazards.
4. Explain how to use a fire extinguisher.

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. But first, let's look at how we think about fire. <p>Ask the class:</p> <ul style="list-style-type: none"> ➤ 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"> ➤ How would you define fire? What is it? ✓ <i>chemical reaction</i> <p>Class Activity:</p> <ol style="list-style-type: none"> 1. Show the video embedded in the Power Point "Fire and the Fire Triangle" and discuss questions in the speakers notes. 2. We can't always do a lot about the air component of the fire triangle, but we can do something about the fuel and heat that provide fire hazards. 	
Home Fire Hazards	
<p>Class Activity:</p> <ol style="list-style-type: none"> 1. Show the video "10 Household items that are highly flammable" and discuss as per speakers notes. 2. Show the video "Hidden Home Fire Hazards" and discuss as per speakers notes. 	

<ol style="list-style-type: none"> 3. Break the students in to groups of 4 or 5 and assign each group one of the following areas: Basement, kitchen, living room/bedroom, bathrooms, yard, garage/shed. 4. Give the groups 10-15 minutes to list all the fire hazards that they have seen or heard of for that space (this should be from the video, in their own homes or homes/garages/outbuildings that they have visited). 5. Collect these lists and keep them for the Practice Makes Perfect Lesson. 	
Fire Extinguishers	
<p>Topics to Discuss with your Class:</p> <ul style="list-style-type: none"> • Fuel Types are classified into 5 groups, but only 3 pertain to home fires. <p>Class Activity:</p> <ol style="list-style-type: none"> 1. Show the PowerPoint slide on the classes of Fires and discuss as per speakers notes. 2. As you review it ask what they see in terms of types of fire extinguishers needed for types A, B, and C fires. 3. Show the sample fire extinguisher (or the PowerPoint slide) and discuss the parts of the extinguisher. 4. Show the video on how to use a fire extinguisher and discuss as per the speakers notes. 5. Show the PowerPoint slide on the process. 	
Concluding Activity	
<p>Ask the class:</p> <ul style="list-style-type: none"> ➤ What does a fire need to survive? ➤ How can you prevent a fire? ➤ How can you extinguish a fire? ➤ Why are flammable materials more dangerous? ➤ What does flammability have to do with clothing? ➤ What are the 3 classes of fire? ➤ What is the acronym for using a fire extinguisher? ➤ What piece of information that surprised you? 	
Take Home Activity	
<ol style="list-style-type: none"> 1. Assign the students the task of noting any fire hazards in their homes in the next week or two and keep track of them to add to the list they created. Note: in one weeks' time ask the students if they have any hazards to add to their lists. 	



Bibliography

Texas State Fire Marshal's Office. (1999a). *A Lifetime for Fire Safety*. Texas Department of Insurance. <https://www.tdi.texas.gov/pubs/sfmo/fmcurrguidehea.pdf>

