

Education Box

Resource Manual



BRITISH COLUMBIA
FireSmart

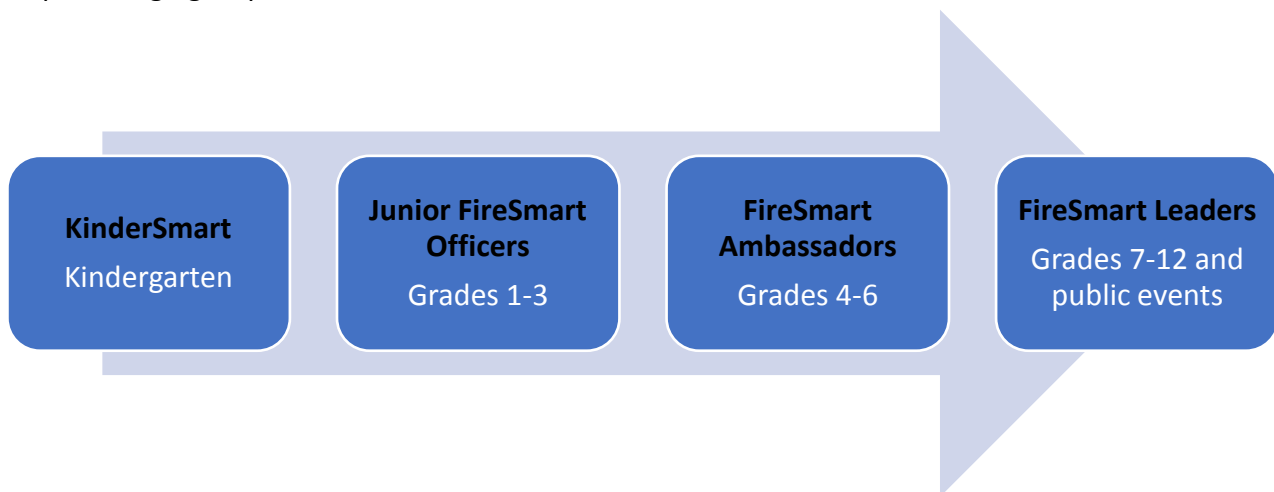
FireSmart™ BC Education package

Introduction

The FireSmart BC Education package is designed to be an all-in-one teaching resource for Grades K-12 and for use at public events. This document outlines what is provided in the education kit (“hard copy” pieces in a tote and “soft copy” pieces on a USB drive) and suggests how to effectively use those items.

The goal of the FireSmart BC Education package is to give BC Wildfire Service staff, educators and other members of the FireSmart community the tools they need to present a unified FireSmart message throughout British Columbia. By reaching out to school-aged children and their parents, we can help them become familiar with FireSmart concepts and (more broadly) help the public understand the seven FireSmart disciplines.

The FireSmart BC Educational package is broken into four components, with each one aimed at a specific age group:



The materials for each age group includes an easily followed lesson plan and detailed instructions for carrying out the learning activities. (Activity details are listed on the next page.)

Thank you for supporting the FireSmart program. Together, we can build a FireSmart BC.

Looking for more information? Visit www.FireSmartBC.ca

Contents of the FireSmart BC Education package:

Kindergarten: *KinderSmart*

1. **Firefighter Duckies:** Book to settle young children and create an atmosphere of learning.
2. **FireSmart Magnetic Board and Magnets:** Magnetic board to introduce FireSmart concepts and campfire safety.
3. **FireSmart House Relay:** Kids can take turns “FireSmarting” a wooden playhouse.
4. **FireSmart Memory Game:** A matching game, using FireSmart-themed cards.

Grades 1-3: *Junior FireSmart Officers*

1. **FireSmart Materials:** Children learn about different building materials and how fire-resistant they are.
2. **Forest Builder:** On 11”x17” mats showing untreated and treated forests, students use dominoes to explore how thinning out trees can affect a wildfire’s spread.
3. **FireSmart House Builder:** Students can “build” a FireSmart house and create a FireSmart property, using the magnetic FireSmart board.
4. **FireSmart Home Assessment:** Using FireSmart principles, students assess two different houses to determine which is more FireSmart and then learn about FireSmart activities that are easy to do.
5. **Campfire Safety:** Kids explore FireSmart campfire safety using the interactive magnetic board.

Grades 4-6: *FireSmart Ambassadors*

1. **FireSmart Introduction Video:** This video introduces students to FireSmart priority zones and FireSmart principles.
2. **Thinning the Forest Game:** This interactive game illustrates how people can reduce wildfire risks by thinning out trees.
3. **FireSmart Magnetic Board and Magnets:** This magnetic board introduces FireSmart concepts and campfire safety.
4. **FireSmart Property Game:** Students will play an interactive game using pictures of houses to reinforce how basic FireSmart activities can affect wildfire resiliency.
5. **Campfire Safety:** Kids can explore FireSmart campfire safety using the interactive magnetic board.

Grades 7-12: *FireSmart Leaders*

1. **FireSmart Introduction Video:** This video introduces students to FireSmart priority zones and FireSmart principles.
2. **Fire Triangle:** Students will learn about the three things that a fire needs to start and keep burning.
3. **FireSmart Magnetic Board and Magnets:** This magnetic board introduces FireSmart concepts and campfire safety.
4. **Forest Fire Model:** Students will use FireSmart principles to “FireSmart” a community, using matchsticks that represent trees. After deciding on their FireSmart strategy, students will light the matches to observe the outcome.
5. **Campfire Safety:** Kids can explore FireSmart campfire safety using the interactive magnetic board.

FireSmart BC Education package: activities list

KINDERGARTEN (KinderSmart):

1. FIRESMART INTERACTIVE MAGNETIC BOARD

- Go through the magnetic board materials. Let students come up and move the magnets as they fix things around the house (cleaning leaves from eavestroughs, mowing the lawn, moving firewood away from the house, etc.).

2. FIRESMART HOUSE RELAY

- In this relay activity, students will practise “FireSmarting” a house. Split the class into groups, which will race to make the house more FireSmart. One person from each team will run and remove one item from the house to make it safer (e.g. remove leaves from the house’s gutters and place them in a matching bucket).

3. FIRESMART MEMORY GAME

- This memory game using FireSmart-themed cards. Students can play in pairs or groups of four, depending on class size and the amount of time available.

GRADES 1-3 (Junior FireSmart Officers):

1. TAKING A LOOK AT “FIRESMART” MATERIALS

- Students learn about different building materials and how fire-resistant they are. This activity will give students a better understanding of how these materials react to fire and reinforce FireSmart concepts.

2. FOREST BUILDER

- Forest Builder explores how a wildfire spreads through a forest. The goal is for students to understand that wildfire spreads faster in forests where more fuel is available.

3. FIRESMART HOME BUILDER

- Students will build a FireSmart home using the magnetic board.

4. FIRESMART HOME ASSESSMENT

- Students will explore how the completion of simple yard maintenance tasks can make a home safer in the event of a wildfire. Students will complete home and property assessments of two houses (House A and House B) using the Junior FireSmart Officer assessment sheet.

5. CAMPFIRE SAFETY

- Review the FireSmart Campfire Safety interactive magnetic board with the students. Then let them come up and move the magnets to fix things (place a water bucket nearby, move the tent away from the campfire, don’t start the campfire in windy conditions, etc.).

GRADES 4-6 (FireSmart Ambassadors)

1. SHOW STUDENTS THE FIRESMART VIDEO

- *“FireSmart means keeping our homes and our communities safe from wildfire. People often live in or near forests, and wildfires are natural and common occurrences there. Wildfires are important for the health of our forests. For example, the heat of a fire helps pine cones open, releasing the seeds within them to grow new pine trees. But since people often live in or near forests, we need to take steps to protect our homes from wildfire.”* <https://www.youtube.com/watch?v=k0ClodnHp2c>
- After showing the video, play a game that illustrates the importance of pruning, thinning or removing trees to help stop wildfires spreading to houses.

2. PLAY “THINNING THE FOREST” GAME

- Students will learn the importance of thinning trees as a FireSmart activity. Students are divided into teams and each team works on one section of forest.

3. FIRESMART INTERACTIVE MAGNETIC BOARD

- Students will be asked questions about the images they see on the interactive magnetic board. They can then talk about ways to make the house more FireSmart.

4. PLAY “HOME/PROPERTY ASSESSMENT” GAME

- This fun and interactive game reinforces basic FireSmart activities related to home and property management, as students complete a Home and Property FireSmart Assessment. Students form a line, with each of them holding an image of a house. The instructor will then ask questions such as: “Is your house made of wood?” Students will answer by either taking a step back or taking a step forward (i.e. either walking away from the risk or closer to it).

5. CAMPFIRE SAFETY – INTERACTIVE MAGNETIC BOARD

- Review the FireSmart Campfire Safety board and ask students whether they think the campfire shown on the board is safe. Students then make changes on the magnetic board to make the campfire safer.

GRADES 7-12 (FireSmart Leaders)

1. SHOW STUDENTS THE FIRESMART VIDEO

- *“FireSmart means keeping our homes and our communities safe from wildfire. People often live in or near forests, and wildfires are natural and common occurrences there. Wildfires are important for the health of our forests. For example, the heat of a fire helps pine cones open, releasing the seeds within them to grow new pine trees. But since people often live in or near forests, we need to take steps to protect our homes from wildfire.”* <https://www.youtube.com/watch?v=k0ClodnHp2c>

2. FIRE TRIANGLE

- Students will learn that a fire needs three things to start and keep burning (fuel, oxygen and a source of heat). “We call this the fire triangle. If you don’t have all three things, a fire will not start.”
- Then ask the students: “Can we control the amount of oxygen in the air?”

"We can't control how much oxygen is in the air, so when we talk about FireSmart, we mainly focus on ignition sources and flammable materials near our homes and communities."

- Ask students to provide examples of fuels and ignition sources.

3. FIRESMART INTERACTIVE MAGNETIC BOARD

- Divide the class into groups of four or five students and give each group a whiteboard.
- Using the interactive magnetic board as a starting point, ask students to come up with ways to make the house more FireSmart and list them on their whiteboards.

4. FOREST FIRE MODEL DEMONSTRATION AND BUILDING OF FOREST FIRE MODELS

- After watching a Forest Fire Model Demonstration, students will make their own two-sided models.
- Using the concepts they've already learned to make homes and properties more FireSmart, one side of the model will show an untreated forest and the other side will show a treated forest.

5. CAMPFIRE SAFETY MAGNETIC BOARD

- Activities and discussions based on the campfire safety magnetic board will vary (depending on the grade), but students can make changes on the board to make the campfire safer.

PUBLIC EVENTS:

1. FireSmart house interactive magnetic board
2. Campfire safety magnetic board
3. Taking a look at FireSmart materials
4. FireSmart Home Assessment
5. Forest Builder
6. Fire Triangle
7. FireSmart video

FireSmart Jr. Officer (Grade 1-3)



FireSmart Junior Officers (Grades 1-3)

Lesson Plan

Pre-classroom preparation:

- This presentation requires three to five staff members (five is optimal)
- Make sure that you review the lesson plan before you arrive at the school. You might want to print off a few copies to share with the other instructors, to ensure that the messaging is consistent.

Materials:

Station 1: FireSmart materials	Station 2: Forest builder	Station 3: FireSmart house builder
1 materials set (unburned)	2 forest builder bases (treated)	FireSmart magnetic board
1 materials set (burned)	2 forest builder bases (untreated)	
1 material label sheet	2 matchsticks	
1 FireSmart materials sorter	50 dominoes	
Station 4: FireSmart House	Station 5: My FireSmart Community	Additional Materials
5 laminated FireSmart Junior Officer assessment sheets	2 sets of FireSmart memory cards	Class set of FireSmart Junior Officer booklets
5 markers (dry erase)		timer or watch with an audible bell or alarm sound
5 erasers (dry erase)		FireSmart Junior Officer badges
5 mini-whiteboards		
1 set of House "A" and House "B" pictures		

Set-up:

- **NOTE: The set-up should be completed before students arrive for presentation.**
- Using the materials and sheets provided, students will complete five stations to better understand FireSmart practices for homes and properties, and how FireSmart practices can help keep their community safer in the event of a wildfire.
- Set up an area for each station and have the people running the stations familiarize themselves with the lesson plan.

Timeline for programming (total time: 60-70 minutes)

Station timing (approximate)

Grade 1	7 or 6 minutes
Grade 2	6 minutes
Grade 3	5 minutes

Vocabulary:

FireSmart material: something that does not burn easily (like a sidewalk)

Not a FireSmart material: something that burns easily (like wood)

Less FireSmart material: something that would burn faster in a fire (e.g. wood is less FireSmart than metal)

More FireSmart material: something that would burn slower in a fire (e.g. metal is more FireSmart than paper)

Class arrangement:

Make a separate space available for each station. The activities can be done in a classroom, but (depending on the class size) it may be better to do them in a more open space, such as a school gym, lunch room or library.

Introduction to the FireSmart Junior Officer training program

Everyone comes into the activity area and sits down in front of the presentation board (the FireSmart magnetic board).

1. *"Welcome to the FireSmart Junior Officer training program! Today, YOU are going to become FireSmart Junior Officers!"*

2. Introduce yourself and your role.

"Hi. My name is _____ and I am a _____ with _____. Today we are going to talk about FireSmart."

3. Ask students the following questions:

"Has anybody heard of FireSmart before?"

"Can someone tell me what it is?"

"Would anyone like to guess what it means?"

"FireSmart is a program that helps us be smarter about how we build homes and communities in places where wildfires could happen."

“What is a wildfire?”

“A wildfire is a fire that happens out in the forest or in a field. A wildfire can spread very fast and may be hard for firefighters to control.”

4. *“Fire is a natural occurrence and plays a very important role in the health of our forests. Fire helps clean up the forest when it begins to get very old, is infested with insects or disease, or when strong winds blow down trees over large areas.”*

“When the wildfire is over, nutrients from burned trees and other vegetation are released back into the soil. Where a wildfire has cleared an area of trees and other vegetation, sunshine can reach the ground and warm it up — making it a perfect site for a new forest to start growing.”

5. *“It’s natural for wildfires to happen in forests. If we want to live in a forested area, we need to make smart decisions about what types of materials we use around our houses and how our communities are built.”*
6. *“So, we’ve talked about FireSmart being a program. Another way we can talk about FireSmart is to describe different types of materials. For example, a material that does not burn easily can be called a FireSmart material.”*

“Can anyone give us an example of a material that does not burn easily?” (metal, concrete)

If the class is having difficulty understanding the FireSmart concept, keep talking about it until you are sure they understand it. You can prompt further discussion by asking questions such as: “What is more FireSmart, a sidewalk or a piece of paper?” or “What is more FireSmart, wood or metal?”

7. *“FireSmart doesn’t only apply to houses. We can make our communities FireSmart, too. FireSmart activities have a bigger impact on your community if lots of your neighbours get involved.”*

Ask students the following questions:

“What is the name of the town or community where you live?”

“Some communities decide to cut down nearby trees before a wildfire happens, to help slow it down. How do you think cutting down trees will slow down a wildfire?”

“This works because wildfires need FUEL to keep burning. Wood is a type of fuel and burns quite easily. However, if we take away the fuel, then it’s harder for the fire to keep burning.”

8. Have the teacher split the students into five groups, since he or she will have a better sense of which students work well together. (Give the teacher a heads-up ahead of time that you will need them to organize the students into five groups and position each group at one of the five stations.)
9. Tell the students to write their names in their FireSmart Junior Officer booklets before they go to their first station.
10. Use the timer or watch to signal when the activity at each station should end. When the alarm or bell sounds, remind the students to clean up their stations ("It should look just like it was when you got there.") Ask them to take their booklets to the next station.
11. Once the students have completed all five stations, ask everyone to gather together so you can review the answers and discuss what they've learned.

Station 1: FireSmart house materials

Purpose

The FireSmart materials station is designed to let students explore and understand the differences between building materials and their resistance to fire. This activity will give students a better understanding of how different building materials react to fire, furthering their understanding of FireSmart concepts. They'll also learn how making better choices about home building materials can make a big difference in the event of a wildfire.

Overview

There are several materials included in this kit: wood, vinyl, cement board, metal, asphalt shingles and metal shingles (in burned and un-burned forms). All these materials can be used for building houses and roofs, and they have different levels of fire resistance. The purpose of this activity is to let students explore different materials and learn about their resistance to fire.

Working together, the students in each group will match unburned materials from the kit to their burned counterparts. Then the group will decide which material it considers to be "the most FireSmart" (or least burnt) and place it beside the "1" in the FireSmart material sorter. This continues until all the materials have been placed.

Materials

- FireSmart materials (burned and unburned)
- material labels

Set-up

Place the FireSmart materials in the middle of the workspace. (If a table is not big enough to accommodate them, place the materials on the floor.)

Instructions

Working together, the students will match the unburned materials from the kit to their burned counterparts.

Labels can be cut out of the materials label sheet and glued or taped down in whatever order the students decide.

The order of the materials may vary, depending on the students' opinions. However, they should recognize that wood and vinyl are the least FireSmart materials in the kit and cement board and metal shingles are the most FireSmart.

Station 2: Forest builder

Purpose

The forest builder activity is designed to explore how a wildfire can spread in a forest. The goal is for students to understand that wildfire spreads more easily in forests where lots of fuel is available. This, in turn, will help them understand why FireSmart treatments should be completed around their town or community.

Overview

Using dominoes, students will explore how FireSmart treatments can alter how fire spreads in a forest. A comparison will be made between treated and untreated forests. After a domino forest is completed, the first domino will be knocked down using a matchstick. Through the use of leading questions, students will be able to make connections between the falling dominoes and wildfire behaviour.

Materials

- 2 forest builder bases (untreated forest)
- 2 forest builder bases (treated forest)
- 50 dominoes
- 2 matchsticks

Set-up

Place the forest builder bases in a cleared space on the classroom floor and set the dominoes beside the bases.

Instructions

Using the patterns shown on the bases, students will set up two different forest situations:

- a treated FireSmart forest
- an untreated forest

After setting up the dominoes, the students will use matchsticks to push over the first domino on each base. The students should record what happened by answering the questions in their booklets.

Station 3: FireSmart house builder

Purpose

The FireSmart house builder activity is designed to explore simple changes that can be made to homes and properties to make them safer in the event of a wildfire.

Students will work co-operatively with the teacher to “build” a FireSmart house and landscaping, using the magnetic board. In their FireSmart Junior Officer booklets, the students can fill in their choices.

Materials

FireSmart magnetic board and magnets

Set-up

Set up the magnetic board so all the students can see it and then place the magnets beside it.

Instructions

Working with the students, follow the prompts in the booklet to pick the most FireSmart building material.

Station 4: FireSmart house assessment

Purpose

The FireSmart house activity is designed to let students explore how simple yard maintenance and housing material choices can keep a home safer in the event of a wildfire.

Working with a leader, students will complete home and property assessments for two different houses (House “A” and House “B”), using FireSmart Junior Officer assessment sheets. Following each assessment, students will record the FireSmart score for each home.

When both assessments are finished, students will record which home is the most FireSmart and answer the questions on Page 9.

Materials

- 1 set of House “A” and House “B” pictures
- 5 FireSmart Junior Officer home assessment sheets (laminated)
- 5 whiteboards
- 5 markers (dry erase)
- 5 erasers (dry erase)
- 1 extra set of house pictures

Set-up

Set out the FireSmart Junior Officer home assessment sheets, markers and erasers. Place the House “A” and House “B” pictures where everyone at the station can see them. (Have extra house pictures readily available in case you need them.)

Instructions

Work through the home assessments for House “A” by asking the questions on the FireSmart Junior Officer home assessment sheet and allowing the students to answer them.

To determine the FireSmart rating for each home add up the total points on the assessment sheet. Have the students write the point total in their booklets and then erase the marks they’ve made on the assessment sheet.

Complete the home assessment for House “B”. Have the students write the point total in their booklets. Complete Page 10 by circling what changes could be made to House “A” to make it more FireSmart.

Station 5: My FireSmart Community

Purpose: The goal of this activity is to help students make the connection between the FireSmart program and their community. People who live in or near the forest must adjust how they build their homes and take a close look at how many trees are growing around their communities. The FireSmart program offers important safety and fire prevention advice to people living in ecosystems where wildfires can occur frequently.

Using the guide sheet at Station 5, students will fill out the “My FireSmart Community” sheet in their booklets. Then they can play the FireSmart memory game.

Materials

- 1 guide sheet
- 2 sets of FireSmart memory cards

Set-up

Fill out the guide sheet, indicating your location and the dominant type of ecosystem in that location. Shuffle and lay out the memory cards (FireSmart symbol facing up) in an easily recognizable pattern, such as a 4x6 grid.

Instructions

Have the students complete the “My FireSmart Community” sheet in their booklets. When they are finished, they can play the FireSmart memory game by following the instructions at Station 5.

Answers/Discussion

Station 1: FireSmart house materials

What material is the most FireSmart?

- *(There may be a variety of answers to this question.)*

What material is the least FireSmart?

- *vinyl or wood*

Station 2: Forest builder

Which forest has more trees?

- *Forest "A"*

In which forest did the fire burn more trees?

- *Forest "A". The falling dominoes act like a fire spreading in a forest. When a domino falls, that means another tree has burned. A FireSmart forest has less fuel in it. (Examples of fuels found in a forest are: trees, needles and leaves.)*

Which forest do you think is more FireSmart?

- *Forest "B"*

What makes a forest more FireSmart? Fewer trees or more trees?

- *A forest with fewer trees is more FireSmart, because a wildfire needs fuel to burn.*

Station 3: FireSmart house builder

What materials are the most FireSmart?

Station 4: FireSmart house assessment

What was the score for House "A"?

- *1*

What was the score for House "B"?

- *6*

Which house is more FireSmart?

- *House “B”*

What are some things that could be done to House “A” to make it more FireSmart?

- *(Review the two columns of options on Page 9 in the booklet.)*

Station 5: My FireSmart Community

Where do you live? Is it in the mountains, in a boreal forest, on the coast, or in a semi-arid area?

- *Wildfires happen in this region a lot, but fires can help keep forests healthy. My town uses FireSmart to help keep it _____, because _____.*

12. Congratulate everyone for completing the program. They are now FireSmart Junior Officers!
Everyone gets a badge. Hand out the badges and take a photo with the students.



Resources

FireSmart:

FireSmartBC.ca

firesmartcanada.ca

BC Wildfire Service:

bcwildfire.ca

Emergency planning:

getprepared.gc.ca

emergencyinfobc.gov.bc.ca



BRITISH COLUMBIA
FireSmart



Name: _____



BRITISH COLUMBIA
FireSmart



If something is “FireSmart”, what does that mean?

If something is FireSmart, it means that it does not burn easily.

What is a FireSmart house?

A FireSmart house has a better chance of surviving a wildfire without the help of firefighters. It is built with materials that do not burn easily. The yard has been cleaned up, so any FUEL is at least 10 metres away from the house.

What is a FireSmart community?

A FireSmart community is where residents have completed FireSmart activities as a group. Trees have been removed or pruned to help slow the spread of fire and to remove FUEL from the landscape.

What is FUEL?

Fuel is something that will burn and keep a fire going.

Examples of fuels in the forest are:

leaves, needles, trees, plants, logs

Fuels around your home may include:

firewood, leaves, wood, long grass, gas-powered equipment, propane



<https://www.firesmartcanada.ca/>



<http://lsfes.org/>



<http://www.lslbo.org/>



The BC FireSmart Committee and the BC Wildfire Service would like to extend their thanks to the Lesser Slave Forest Education Society and the Lesser Slave Lake Bird Observatory for their dedication and hard work in creating the original education materials that the BC FireSmart Education Package is based on. Together we can build a Canada that is FireSmart!

For more information on their products and initiatives please visit these websites.

Station 1: FireSmart house materials

Use the labels to put the building materials in order, from the most FireSmart to the least FireSmart.

Most FireSmart

3#

4#

5#

6#

7#

Least FireSmart

8#



Station 2: Forest builder

A FireSmart forest has less fuel in it than a forest that is not FireSmart. One way to make a community more FireSmart is to remove fuel from nearby forests. This can slow down a wildfire and make it easier to fight.

1. Follow the instructions and use dominoes to create and test these two types of forests.

2. Which forest has more trees — “A” or “B”?

(Circle your choice.)

A



B



The dominoes help show you how a fire behaves in the forest. When a domino falls down, that means another tree has burned.

A



3. In which forest did the FIRE burn more trees?

(Where did more dominoes fall?)

B



Bonus activity: FireSmart word search

Q S I R H E E D R C I I Q B H
F U I O P R B E C E E K X H H
X E U S A M W W D B G G Z L M
F S R P D O C O M M U N I T Y
E O E I M R P G L P R U N E C
D R R N F S A A A A Z J N O O
P O W E E D T Z T E O E R X N
I A B V S E L R A S A F E R C
L M A J M T A I O H Z D L K R
F E J G X M M O W X M H W F E
L W G T S R E L K N I R P S T
G C E E E P B U U T B Y D O E
G N R B K C Z Q A P T X Z O H
Z I W Z A E I Y P G N N W Q F
F F R U R B X U Y K P A U H T

COMMUNITY
CONCRETE
FIRESMART
FOREST
PREPARE

HAZARDS
HOUSE
LAWNMOWER
LEAVES
METAL

PRUNE
RAKE
SAFER
SPRINKLER
WILDFIRE



Station 5: My FireSmart Community

1. Use your own community to fill out the sheet below.

I live in _____.

It is:



in the mountains



in a boreal Forest



on the coast



in a semi-arid area

Wildfires happen regularly in British Columbia. They can cause damage, but they also help keep the forest healthy by removing dead wood and enhancing wildlife habitat.

My community uses FireSmart to help keep it:

_____.

A FireSmart forest contains less fuel.
Examples of fuels in a forest are: trees, needles and leaves.
Since there is less fuel in a FireSmart forest, wildfires that occur there do not burn as many trees.

4. Which forest do you think is more FireSmart?
(Circle your choice.)

A



B



5. What makes a forest more FireSmart?



More trees



Fewer trees



Station 3: FireSmart house builder

Using the FireSmart magnetic board, let's build a FireSmart house!

What materials are the most FireSmart?

Roof:

Siding:

Where should the following things go?

Woodpile:

Propane:

Fire Pit:

How do we fix the following fire hazards to make the house more FireSmart?

Shrubs near house:

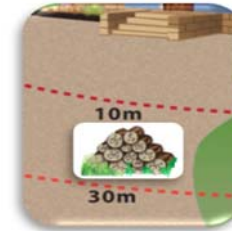
Debris under the deck:

Leaves in the gutters:

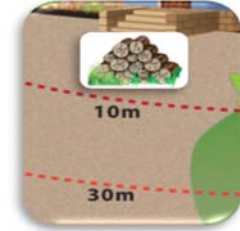
Long, dry grass:

4. To make House "A" more FireSmart, what changes should you make?

Circle the changes below that should make House "A" safer during a wildfire.



Keep firewood piles at least 10 metres away from the house.



Leave the firewood close to the house.



Let the grass grow long.



Cut the grass regularly.



Keep leaves in the eavestroughs.



Take leaves out of the eavestroughs.



Clean up under the deck and add skirting to it.



Keep the leaves under the deck.



Station 4: FireSmart house assessment

1. Use a FireSmart assessment sheet to determine the FireSmart scores for House "A" and House "B".

2. Write the score beside each house.

House "A"

Total FireSmart
score _____



House "B"

Total FireSmart
score _____

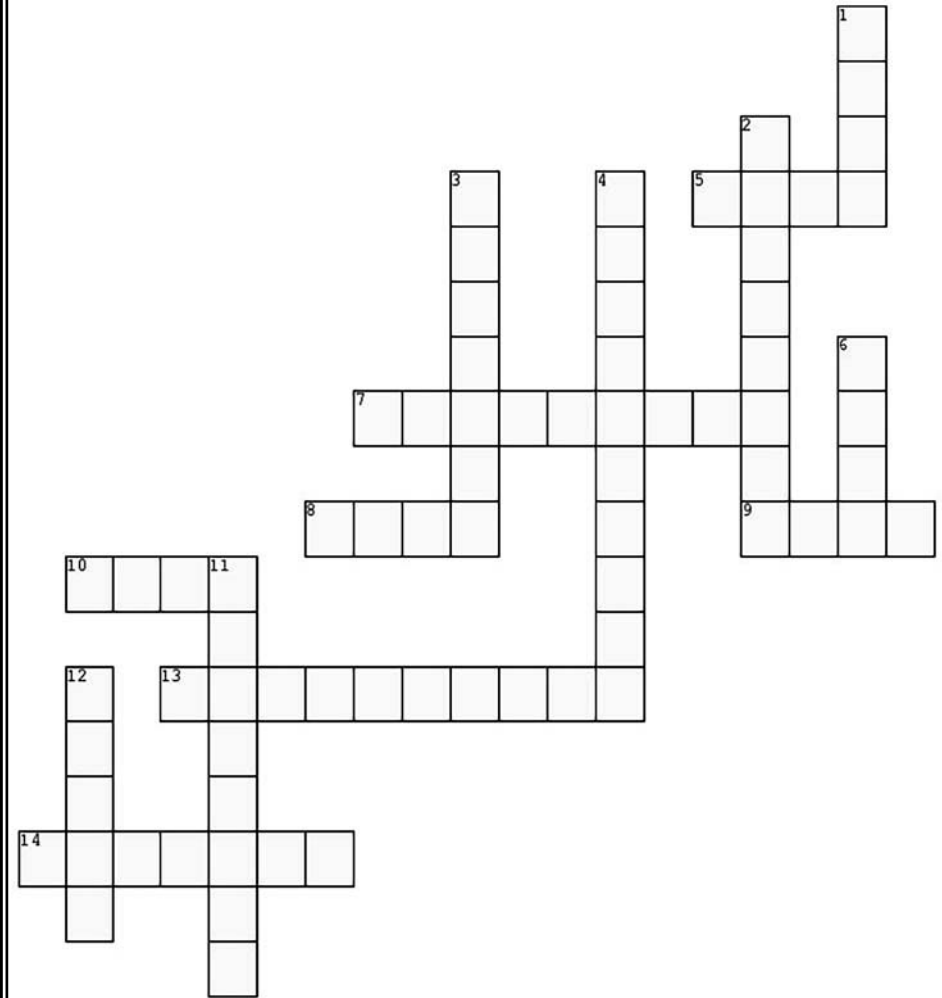


3. Which house is more FireSmart?

House _____ is more FireSmart.

The more FireSmart a house is, the safer it will be in a wildfire.

Bonus activity: FireSmart crossword



Across

5. New plants on the forest floor help ____ hide from coyotes and foxes.
7. Fallen trees ____ and give their nutrients to new growth.
8. Some ____ live in dead trees and hunt mice.
9. I eat young plants.
10. Some fallen trees are filled with ____ and Bears eat those too!
13. The ash left after a fire acts like ____ and helps plants grow.
14. Lots of ____ grow after a fire. Bears eat them.

Down

1. My name is 'Jack' and I have needles. What kind of tree am I?
2. My name tells people that I grow where fire has been.
3. ____ attack dead trees after a fire.
4. A ____ looks for bugs in a tree by making holes.
6. I hold seeds for a new forest after a fire.
11. What do you call a very young tree?
12. Fire leaves some ____ unburned that help reforest an area.



Asphalt Shingles



Cement Board



Wood



Vinyl



Metal



Metal Shingles



Asphalt Shingles



Cement Board



Wood



Vinyl



Metal



Metal Shingles



Asphalt Shingles



Cement Board



Wood



Vinyl



Metal



Metal Shingles



Asphalt Shingles



Cement Board



Wood



Vinyl

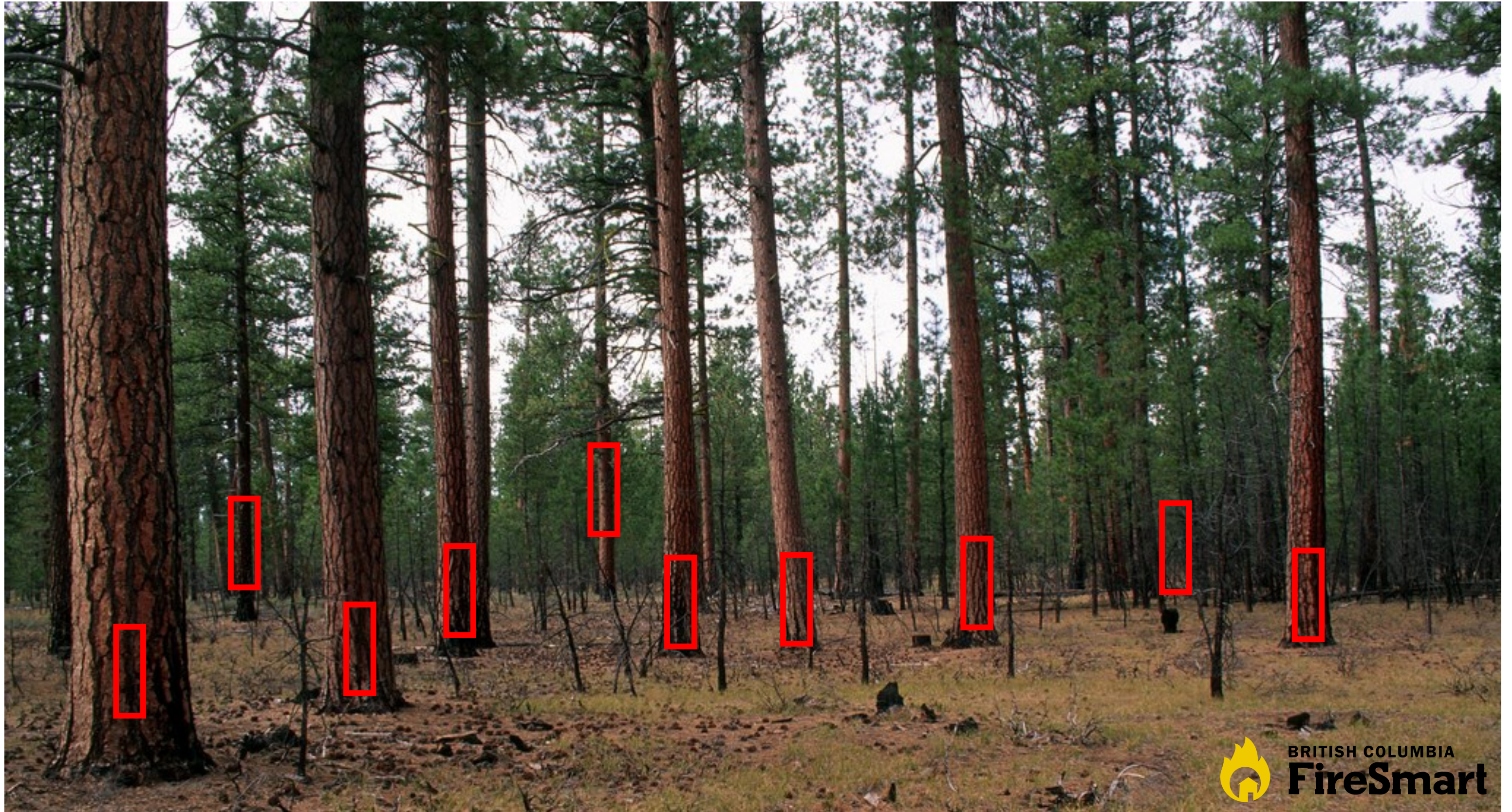


Metal

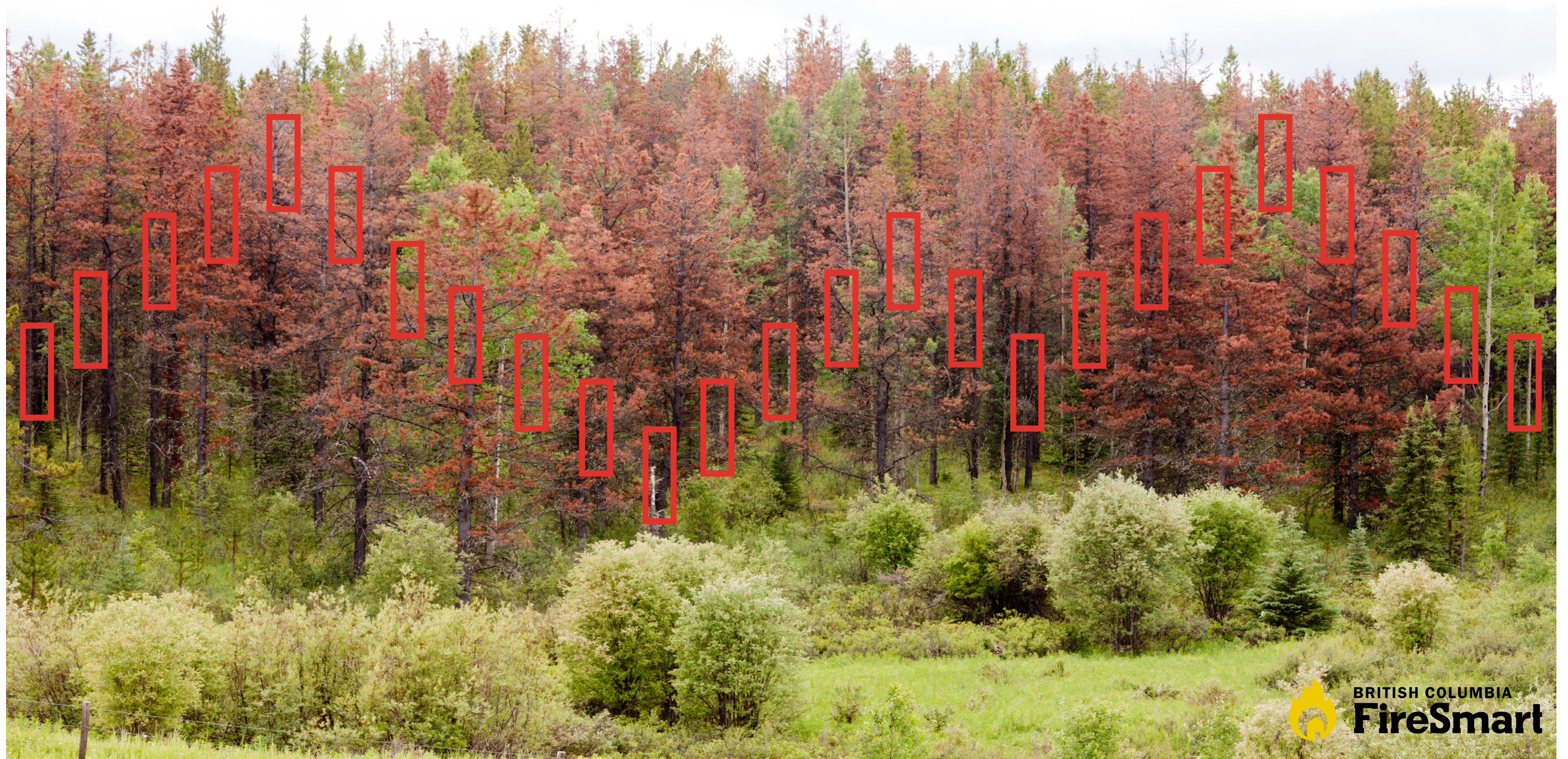


Metal Shingles

Forest Builder - Treated



Forest Builder - Untreated










HOW FIRESMART IS YOUR HOME

Use this quick assessment to see how at risk your home would be during a wildfire.

Circle the image/description that best describes your home and add the numbers to find your Hazard Level.

1.	What is your roof made of?	Asphalt Shingles 1 	Tile Shingles 0 	Wood Shake 2 	Metal Roof 0 
2.	What is the outside of your house made from?	Vinyl Siding 2 	Wood Siding 2 	Stucco/Cement Board 0 	Metal Siding 0 
3.	What is your deck made from? Does it have a skirt?	Fire Resistant Material 0 	Wood Closed In 0 	Wood Open Bottom 1 	
4.	Are your eaves open or closed? <i>*eaves are the underside of your roof overhang</i>		Open Eaves 2		Closed Eaves 0
5.	Is your roof clean? Are the eaves-troughs cleared?		Eaves-trough filled with leaves 2		Clean roof with no debris 0

6.	Do you have combustibles within 10m of your home?	<p>Yes 2</p> 	<p>No 0</p>	*combustibles are anything that will burn in a fire especially: firewood, lumber and gas powered equipment
7.	What kind of ground cover do you have within 10m of your home?	<p>Cut green grass up to house 0</p> 	<p>Shrubs or wild grass up to the house 1</p> 	<p>Logs and branches on the ground 2</p> 
8.	What kind of trees are near your house (<10m)	<p>Coniferous (Needle leaf) 2</p> 	<p>Coniferous and Deciduous 2</p> 	<p>Deciduous (Broadleaf) 0</p> 
9.	What kind of trees are 10m—30m from your home?	<p>Conifer 2</p>	<p>Mixed Wood 1</p>	<p>Deciduous 0</p>

OTHER			YES	NO
10.	Ladder Fuels	Are the trees 10-30m from your home pruned to 2m above the ground?	0	1
11.	Fire Fighting Equipment	Do you have a sprinkler, ladder, shovel, water source available?	0	1
12.	Address	Is your address visible for emergency vehicles?	0	1
13.	Driveway Access (Acreage Only)	Could a fire truck use your driveway?	0	1
14.	Evacuation Plan	Do you have an evacuation plan?	0	1

Hazard Level—Add up all your points circled above and see where your home rates.

Low <5 points

Medium 5-10 points

High >10 points

If your score is more than 10 points, what can you do to make your home safer in a wildfire?

Points Page 1

Points Page 2

Total Points



BRITISH COLUMBIA
FireSmart

Visit FireSmartBC.ca or FireSmartCanada.ca for more information.

FireSmart
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The BC FireSmart Committee and the BC Wildfire Service would like to extend their thanks to the Lesser Slave Forest Education Society and the Lesser Slave Lake Bird Observatory for their dedication and hard work in creating the original education materials that the BC FireSmart Education Package is based on. Together we can build a Canada that is FireSmart! For more information on their products and initiatives please visit below websites.



<http://lsfes.org/>



<http://www.lslbo.org/>



<https://www.firesmartcanada.ca/>