



**FEDERATION OF BRITISH COLUMBIA
WOODLOT ASSOCIATIONS**

OUR FAMILY FORESTS: BC'S WOODLOT LICENCE PROGRAM

**An educational program on our Forests, Forest Management and
BC's Woodlot Licences**

Learning Outcomes:

- What is a forest? Students will consider what makes a forest
- Students will learn about forest resources and forest values
- Students will have an understanding of the vocabulary used when discussing forests and forest management (see vocabulary sheet)
- Students will have a general understanding of how BC's forests are managed
- Students will learn about BC's smallest managed forest - a woodlot or woodlot licence

Total Lesson Time: 30 – 40 minutes

- Introduction – 5 minutes
- DVD – 12 minutes
- Discussion / Review (10 minutes)
 - Vocabulary Review – 5 minutes
 - Woodlot Licence Review – 5 minutes
- Exercise (can be completed in class or take away)
 - Vocabulary Quiz– 5 minutes
 - Colouring Book “Ollie’s Woodlot Adventures” (K – 4)

Materials

- DVD: “Our Family Forest: BC’s Woodlot Licence Program”
- Carabineer and education cards
- Vocabulary Sheet
- Vocabulary Quiz and Answer Key
- Colouring Book “Ollie’s Woodlot Adventures” (K – 4)



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Lesson Plan

Part 1 (Introduction – What is a Forest? - time 5 minutes)

Lead students in a brainstorming session:

- What is a forest?
- What is a woodlot licence?
- Do you know any woodlot licencees/woodlot licences near you?

Record answers on board/flipchart paper. Group the answers i.e. plants/animals/recreation/timber/water so that students realize the diversity of the forest resources and values.

Introduce the definition of **Forest** (see Vocabulary Reference (or Carabineer and educational cards) and compare the definition to the responses the students came up with and discuss the diversity of our forests.

Part 2 (DVD - time 12 minutes)

- Play DVD

Part 3 (Vocabulary Review)

Ask the students what vocabulary they learned in the DVD. List the vocabulary words on the board or flipchart.

Students can complete the Vocabulary Quiz.

Ask if there were any terms they didn't understand. Explain these terms.



OUR FAMILY FORESTS: BC'S WOODLOT LICENCE PROGRAM

Vocabulary terms introduced in the DVD include:

- Forest
- Ecosystem
- Crown Land
- Forest Resources
- Forest Values
- Woodlot Licence
- Renewable Resource
- Sustainable
- Natural Regeneration
- Reforestation
- Harvested

Ask question “How many trees were planted in 2013?” A: Over 7 billion

Part 4 (Woodlot Licence Review - Conduct a Q. & A. to generate discussion)

Q: Who knows how many woodlot licences there are in BC?

A: More than 870.

Q: Where are many located?

A: Next to communities, recreational areas, sensitive ecosystems.

Q: What are some of the things that make woodlot licenses unique in BC?

A: They are BC's smallest crown forests.

Many are managed by families and are passed along to the next generation.

Woodlot licensees take a hands-on management style. Some even harvest using hand saws and horses. Any appropriate answers are acceptable.

As a review of the ideas introduced in today's lesson give each student (if available) a carabineer with educational cards and/or the colouring book “Ollie's Woodlot Adventures”.

Vocabulary of our Forests

Vocabulary	Definition
Berries	Natural food in the forest
Clear Cut	Where most of the trees are removed with reserved trees for; wildlife, riparian areas for fish, visuals, cultural for archaeological reasons, range barrier, trap line, trails for recreation
Crown Forest Land	Forested land owned by the Provincial or Federal Government
Cultural Heritage	First Nations history
Ecosystem	A system of soil, water and air which supports a community of plants and animals
Feller Buncher	A piece of equipment used for logging, it cuts the tree and moves it to a pile for skidding
Forest	A plant community mostly made up of trees
Forest Resources	Trees, plants, water, natural foods (berries, mushrooms), soil and animals
Forest Values	Economic, recreation, visual, habitat, cultural heritage, soil and water
Free Growing	Healthy young trees are taller than the vegetation around it
Habitat	A natural place where plants and animals live
Harvested	An area where trees have been removed
Manufacturing	Making wood products from the log such as; lumber, plywood, pulp and paper
Medicinal Plants	Plants used for medicinal purposes; roots, leaves, needles, bark, stems
Mills	Manufacturing facility to process the logs
Mountain Pine Beetle	A native insect and a serious pest of mature pine trees in western Canada
Natural Regeneration	The renewal of trees by natural means. Trees drop their cones and seeds fall onto the ground, sprout and produce a new tree
Nursery	Where tree seedlings are grown
Nutrients	Are the food in the soil that plants require to grow
Plant Community	All the plants within the forest in one area
Private Woodlot	Privately owned forest land
Public Forest Land	Land owned by the Provincial Government on behalf of its citizens, sometimes referred to as Crown Land
Range	Where cattle graze in the forest and grasslands
Reforestation	When a forest is restocked by planting seedlings grown by a nursery
Renewable Resource	To make new again
Scenic Views	Views of the forests from certain vantage points; road systems, lakes, residential areas
Seed Orchard	An orchard of trees for producing seeds. The cones are gathered from the trees and seeds are collected from the cones to produce superior seedlings and trees
Seedlings	Are young trees
Select Harvesting	When only a few trees are harvested to protect habitat, preserve scenic views from towns or highways and trees for producing tree seeds for natural regeneration
Skidder	A piece of equipment used for logging, it skids the pile of trees to a landing where the tree is processed into a log (de-limbed and cut to length)
Sustainable	Can reproduce forever if properly managed
Vegetation	Competing plants which grow in the forest alongside the trees
Wetlands	An area with shallow water
Wildlife	Animals in a natural environment
Wildlife Tree Patch	Areas of trees left for wildlife habitat
Woodlot Licence	Agreement to manage a plot of public forest land

Name: _____

Vocabulary Quiz on our Forests

Directions: Write a number beside the definition that best describes the word.

	Word		Definition
1	Forest		Competing plants which grow in the forest alongside the trees
2	Ecosystem		An area where trees have been removed
3	Wildlife		Are young trees
4	Harvested		Animals in a natural environment
5	Private Woodlot		Forested land owned by the Provincial or Federal Government
6	Habitat		A native insect and a serious pest of mature pine trees in western Canada
7	Woodlot License		A system of soil, water and air which supports a community of plants and animals
8	Mountain Pine Beetle		Agreement to manage a plot of public forest land
9	Nutrients		A plant community mostly made up of trees
10	Seedlings		A natural place where plants and animals live
11	Vegetation		Are the food in the soil that plants require to grow
12	Crown Forest Land		Privately owned forest land

Vocabulary Quiz on our Forests Answer Key

Directions: Write a number beside the definition that best describes the word.

	Word		Definition
1	Forest	11	Competing plants which grow in the forest alongside the trees
2	Ecosystem	4	An area where trees have been removed
3	Wildlife	10	Are young trees
4	Harvested	6	Animals in a natural environment
5	Private Woodlot	12	Forested land owned by the Provincial or Federal Government
6	Habitat	8	A native insect and a serious pest of mature pine trees in western Canada
7	Woodlot Licence	2	A system of soil, water and air which supports a community of plants and animals
8	Mountain Pine Beetle	7	Agreement to manage a plot of public forest land
9	Nutrients	1	A plant community mostly made up of trees
10	Seedlings	6	A natural place where plants and animals live
11	Vegetation	9	Are the food in the soil that plants require to grow
12	Crown Forest Land	5	Privately owned forest land

Our Family Forests BC's Woodlot Licence Program

Curricular Connections

Grade Level	Connections
Kindergarten	<ul style="list-style-type: none"> ▪ Describe features of local plants and animals ▪ Describe features of their immediate environment ▪ Demonstrate awareness of natural and human-built environments (K&Gr.1) ▪ Practice responsible behaviour in caring for their immediate environment (K&Gr.1)
Grade 1	<ul style="list-style-type: none"> ▪ Describe the basic needs of local plants and animals ▪ Describe how the basic needs of plants and animals are met in their environment (K&Gr.1) ▪ Practice responsible behaviour in caring for their immediate environment (K& Gr.1)
Grade 2	<ul style="list-style-type: none"> ▪ Distinguish ways in which air, water and soil interact ▪ Explain why air, water and soil are important for living things ▪ Explain ways in which animals are important to other living things and the environment ▪ Describe how various BC communities have developed in relation to their location and available resources (Gr.1&2)
Grade 3	<ul style="list-style-type: none"> ▪ Describe how various BC communities have developed in relation to their location and available resources (Gr. 1&2)
Grade 4	<ul style="list-style-type: none"> ▪ Determine how personal choices and actions have environmental consequences ▪ Analyze impacts of weather on living and non-living things ▪ Analyze how people interact with their environment, in the past and the present
Grade 5	<ul style="list-style-type: none"> ▪ Identify methods of extracting or harvesting and processing BC's resources ▪ Analyze the relationship between development of communities and their available natural resources ▪ Analyze the influence of technology on lifestyle and work ▪ Demonstrate understanding of sustainability, stewardship and renewable versus non renewable resources
Grade 7	<ul style="list-style-type: none"> ▪ Assess the requirements for sustaining healthy local ecosystems ▪ Evaluate human impacts on local ecosystems